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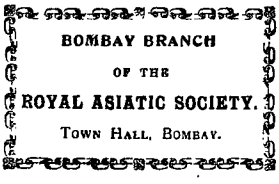

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ADMINISTRATION REPORT

OF THE

MUNICIPAL COMMISSIONER

FOR THE

1961

CITY OF BOMBAY

FOR THE YEAR 1917-18.

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BOMBAY:
PRINTED AT THE TIMES PRESS.

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Review by the Standing Committee of the Administration Report of the Municipal Commissioner for the City of Bombay for the year 1917-18.

Corporation and Standing Committee.

Mr. J. A. D. McBain, C.I.E., was President of the Corporation, and Mr. Meyer Nissim, M.A., Chairman of the Standing Committee, for the year.

2. Sixty one Meetings were held by the Corporation, and 55 by the Standing Committee, including 3 Special Meetings. There were besides 96 Meetings of Committees of the Corporation and 13 Meetings of Sub-Committees of the Standing Committee.

3. The Hon'ble Sir Ibrahim Rahimtoola, Kt., C.I.E., resigned his seat on the Corporation, with effect from the 1st March 1918, on his having been appointed to be a member of the Council of His Excellency the Governor of Bombay, and the Corporation thus lost the services of one of their best colleagues who had served them for a long period of 26 years with conspicuous ability and laudable zeal and perseverance, sound common sense and sobriety of judgment.

Commissioner.

4. Throughout the year Mr P. W. Monie, I.C.S., continued to hold the office of Municipal Commissioner for the City of Bombay.

Financial.

5. It is gratifying to note that the continuance of the war conditions has had no prejudicial effect even this year on the financial position of the Municipality which was much better than the previous year. With taxation at the same rates as in the previous year, the year's income shows a net excess over the previous year of Rs. 7,80,647, and the net result of the transactions shows a surplus of Rs. 5,67,995 against a deficit of Rs. 1,65,553 during the preceding year. The year opened with a working Cash Balance of Rs. 65,93,786, including Rs. 5,35,267 being the value of stores in hand, and closed with a balance of Rs. 71,61,781. Exclusive of Rs. 11,17,198, reserved for lapsed grants required to be renewed in 1918-19, Rs. 11,52,687, ear-marked for payment to the City Improvement Trust on 1st May 1918, Rs. 1,00,000, the minimum balance required under the Municipal Act, Rs. 6,98,304, the value of stores in hand and Rs. 67,001 the value of plant and machinery, the real unhypothecated Cash Balance at the close of the year stood at Rs. 40,26,591 against Rs. 39,90,911 at the close of the preceding year. This surplus has already been largely entrenched upon during the current year (1918-19). The Chief Accountant estimates that after allowing for exceptional arrear receipts from the Port Trust and heavy additional grants, the Surplus Cash Balance might be put down at Rs 31,26,000. Subsequent variations have increased this figure to Rs. 34,00,000 and the raising of a loan of Rs. 30 lakhs has enabled the Municipality to adjust the advances made from Surplus Cash Balance pending the raising of this loan. Allowing for all outstanding liabilities our finances are in a thoroughly satisfactory condition and we may congratulate ourselves that after over 4 years of unparalleled strife accompanied by very disturbing conditions throughout the world this City can look forward with increased confidence in its financial capacity to undertake the many improvements which the growing importance of the City and the Port of Bombay calls for.

6. The property taxes, which are the stable sources of Municipal revenue, brought in Rs. 5,82,423 more this year than in the previous year at the same rates of taxation, giving once again proofs of their inherent vitality.

The Assets aggregate Rs. 11,85,58,582 against Liabilities amounting to Rs. 8,13,42,908, showing an excess of Rs. 3,72,15,673. It is, moreover, satisfactory to note from the statement appended to paragraph 12 of the Chief Accountant's report that the wealth liable to taxation has grown faster than the indebtedness of the Corporation, the ratio of the rateable value of properties in the City as it stood on the 31st March 1918 to the aggregate amount of debt having been 1 : 1·211 against 1 : 1·529 in the year 1903-04. Judged by the limit of double the rateable value allowed under Section 109 (*b*) of the Municipal Act, the reserve of borrowing powers left to the Corporation is still over 4 crores and 83 lacs. On the latest budget data of income and expenditure, however, the balance of taxation against which loans can be raised for purposes other than Fire Brigade and Water Works amounts to Rs. 11,25,000 against which loans can be raised to the extent of Rs. 1,58,00,000 only. For the Water Works the Corporation could, if necessary, raise a large sum limited only by the water rate the Corporation would determine to levy, and for Fire Brigade purposes a loan of Rs. 34,61,000 could be raised.

Income.

7. Although the rates of taxation were the same as in the preceding year, there was a rise of Rs. 7,80,647 in the income for the year which, beating all previous records, amounted to Rs. 1,48,29,386 against Rs. 1,40,48,739 for the previous year. Had there not been a decrease of Rs. 1,10,926 in the realizations from interest on investments of surplus balances, which were largely drawn upon for financing capital expenditure, and a decrease of Rs. 20,327 under other minor and unimportant heads of revenue, the total increase in income would have amounted to Rs. 9,11,900. The General Tax brought in an increase of Rs. 2,69,051 over the previous year due to the erection of new buildings and enhancement in the rateable value of existing buildings. Partly for the same reason and partly owing to greater consumption of water by the Port Trust, Railways, Mills, Military Camps, War Hospitals, &c., the realisations from Water Tax were Rs. 2,25,886 in excess of those for the previous year. The receipts from Halalkhore Tax were Rs. 87,486 more than those for the past year. There was also an increase of Rs. 25,560 in the revenue from Wheel Tax and Tolls, indicating general trade prosperity in the City. Owing to heavier imports of sugar, ghee, grain, timber and firewood the receipts from town duties were Rs. 1,69,970 more than those of the preceding year. The income from the issue of Licenses showed an increase of Rs. 28,057 over that of the year before owing to the increased vigilance in detecting unlicensed premises and to the licensing of eating houses and the premises used for the storage of gunny bags. The market receipts also showed an increased realization of Rs. 51,395 over that of the preceding year due largely to the heavy military requirements. Taking all the factors of expansion into consideration and eliminating all variable and unreliable sources of revenue, the Chief Accountant estimates the permanent expansion in the income of the Municipality at Rs. 6,80,000.

Incidence of Taxation.

8. The following table shows the incidence of taxation per head of population for the last quinquennium :—

Year.	Rate of General Tax.	Incidence per head on population by census of 1911.
		Rs. a. p.
1913-14	10%	11 10 5
1914-15	9 3/16	10 14 8
1915-16	9 3/8	12 9 8
1916-17	9 7/16	12 11 11
1917-18	9 7/8	13 9 4

Expenditure.

9. The total expenditure for the year was Rs. 1,42,61,391, against Rs. 1,42,14,292 for the previous year, apparently showing an advance of Rs. 47,099 only, but if from the previous year's expenditure be eliminated the extraordinary expenditure of Rs. 4,18,447 peculiar to the year, the increase in normal expenditure during the year of report, amounts to Rs. 4,65,546. The principal factors contributing to this enhancement were as under :—

	Rs.
Assessment and Collection Department	40,000
Public Works	1,14,000
Primary Education	1,34,000

Making allowances for all casual and non-recurring items, the Chief Accountant estimates the permanent increase in expenditure at Rs. 3,00,000 as under, against Rs. 8½ lakhs for the past year :—

	Rs.
Fire Brigade	7,000
Public Works Department	1,22,000
Public Health Department	21,000
Education	1,39,000
Pensions	11,000
Total Rs. ...	3,00,000

It is satisfactory to note that this year the permanent expansion of revenue shows an increase of Rs. 3,80,000 over the permanent increase in the normal expenditure, which had advanced at a rate higher than that of income successively during the preceding four years. The Chief Accountant, however, observes that, "we cannot expect this balance in favour of income to continue at our present rates of taxation, for we are faced with the certainty of a rise in the unit of cost in all services and with the certainty of having to raise large loans for the augmentation and purification of our water supply, for the improvement of traffic communications, for accommodation for the labour staff, for important Drainage Schemes, and for Hospitals, Schools, Markets and Slaughter Houses," and that "our liabilities also for efficiently maintaining and lighting our ever-increasing road area, with the increasing cost of materials, the increasing demand for improved sanitation, the need for the protection of child-life, and the expansion of Primary Education are all factors that indicate that, we cannot hope to maintain taxation at its present comparatively low level."

10. Lapsed Grants, &c.—Out of the total sanctioned grants for expenditure aggregating Rs. 1,56,67,864, a balance of Rs. 14,06,473 remained unexpended at the close of the year. Of this, Rs. 11,17,198 required renewal for expenditure in 1918-19, leaving as savings a sum of Rs. 2,89,275. The amount which required renewal shows an increase of Rs. 2,47,703, as compared with the amount for the previous year, the increase being mainly due to the non-payment of interest and principal due on loans and lapses in the grants obtained for "New Works," the percentage of renewed grants to grants allotted being 7·13 against 5·68 in 1916-17. The amount of total unappropriated net savings also shows an increase of Rs. 87,015, the percentage working out at 1·85 against 1·32 in 1916-17 and 2·24 in 1915-16.

11. Loan Works Expenditure.—The expenditure on Loan Works during the year aggregated Rs. 12,51,212 against Rs. 12,90,759 in the preceding year, showing a decrease of Rs. 39,547. Besides this an expenditure of Rs. 3,34,589 was incurred on Loan Works out of advances from Surplus Cash

Balance pending subsequent adjustment against savings on Loan Works or inclusion in a loan to be raised. This also shows a decrease of Rs. 49,880 over a similar expenditure of Rs. 3,84,466 incurred during the preceding year. The total amount made available for expenditure on Loan Works was Rs. 31,38,470 out of which Rs. 15,85,798 were spent or only a little over 50 per cent. The principal works on which lapses occurred were the construction of buildings for primary schools and for the accommodation of the Health Department biggaries, the construction and improvement of streets in different parts of the City, the paving of Frere Road, the provision of a pipe sewer in a portion of Mahim District and the carrying out of the works at the new drainage outfall at Love Grove. Obviously the inability of the Executive to spend a greater portion of the amount made available to them was due to the conditions arising out of the war.

12. PLAGUE EXPENDITURE.—The expenditure on plague operations during the year amounted to Rs. 1,32,160 against Rs. 1,29,958, showing an increase of Rs. 2,202. The total outlay on plague measures from its outbreak upto the close of the year under review aggregated Rs. 83,59,557.

13. STREET IMPROVEMENTS.—During the year, amounts aggregating Rs. 3,14,007 were made available for payment of compensation in respect of set backs acquired. Against this sum, only Rs. 1,80,623 were actually paid, leaving a balance of Rs. 1,33,474 which has been renewed for expenditure during 1918-19. The undischarged commitments upto 30th July 1918 in regard to set-backs already acquired and sanctioned to be acquired, amounted to Rs. 7,83,443, against which the funds sanctioned aggregated Rs. 1,42,085 *plus* Rs. 43,222 realized by the sale proceeds of set-forward land and recoveries of "enhanced values" during 1917-18 which will go to meet set-back payments. The excess of liabilities over funds available thus amounts to Rs. 5,98,136.

14. CAPITAL DEBT.—No loan was raised during the year under review. Rs. 93,361 having been paid during the year towards the reduction of debt, the total Capital Debt of the Corporation decreased from Rs. 7,42,36,994 to Rs. 7,41,43,633. Deducting from this Rs. 191,500, being the amount of the Outstanding Debentures of the Drainage Loan of 1878 redeemable on or prior to 1st January 1918, which is covered by a renewed grant, the Outstanding Debt at the close of the year amounted to Rs. 7,40,33,133. Against this debt the total Sinking Fund Investments aggregated Rs. 1,97,26,287, leaving a net debt liability of Rs. 5,43,06,846 against Rs 5,61,55,265 in the preceding year.

15. STORES AUDIT.—During the year the reserve stock was verified and the result was very satisfactory. The stores in stock on the last day of the year were valued at Rs. 6,98,304 against Rs. 5,35,267 in the preceding year, showing an increase of Rs. 1,63,037. In the balance of surplus and obsolete stores there was a slight reduction from Rs. 3,183 to Rs. 3,085.

16. TEST AUDIT.—The test audit which was hitherto conducted by the Chief Accountant's department was taken up by the Commissioner's office during the year of report. The reports and correspondence regarding the test audit carried out by the Chief Accountant's department are still under the consideration of a Committee of the Corporation who are awaiting a report from the Commissioner as to the practical results achieved consequent on the test audit.

Assessment and Collection of Taxes.

17. The number of properties on the Assessment Book increased from 63,051 in the previous year to 63,843 in the year of report. 6,518 properties were exempted from the General Tax as being of insignificant value against 6,763 in the year previous, and 2,279 non-Municipal properties were exempted

under Section 143 of the Municipal Act against 2,166 in the preceding year. Under the same Section, 1,744 Municipal properties were not assessed, 37 more than in the previous year. The net result was an increase of 887 in the total number of properties assessed to the General Tax from 52,415 in the previous year to 53,302 in the year of report.

18. The year under review witnessed a further advance of Rs. 23½ lakhs in the rateable assessment of properties. During the previous year it had risen from Rs. 5,70,83,834 to Rs. 5,88,81,972. In the year of report it rose to Rs. 6,12,34,537. Opening with a gross assessment of Rs. 6,63,15,363, the year closed with an assessment of Rs. 6,80,28,001 against Rs. 6,54,13,855 at the end of the year previous. 3,608 complaints were made during the year against 3,531 in the preceding year. Only 10 appeals were made to the Chief Judge of the Court of Small Causes, of which 9 were settled out of Court or withdrawn by the appellants, and in the remaining 1 case, the valuation was reduced by the Court.

19. Inclusive of demands in respect of previous years amounting to Rs. 39,117, the total demand on account of property taxes for the first time exceeded a crore of rupees and aggregated Rs. 1,00,58,764 against Rs. 95,07,293 in the preceding year, showing a substantial increase of Rs. 5,51,471. But the Assessment Department proved themselves equal to the task and collected Rs. 5,61,055 more than in the previous year, the gross collections being Rs. 99,54,938 against Rs. 93,93,883 in the preceding year. The outstanding balances on account of property taxes amounted to Rs. 64,026 against Rs. 62,492 in the previous year.

20. The claims for drawback admitted during the year numbered 4,053 against 5,194 in the previous year, and the amount of drawback allowed aggregated Rs. 67,898 against Rs. 82,599 in the preceding year. The question of revision of the rules in force regarding refunds and drawbacks is still under the consideration of a Committee of the Corporation.

21. The receipts from the General Tax aggregated Rs. 56,91,133 against Rs. 54,22,342 in the previous year, showing a substantial increase of Rs. 2,69,051. There was, also, a large increase in the receipts from the Water Tax, which amounted to Rs. 26,97,720 against Rs. 24,71,834 in the preceding year. The Halalkhore Tax, inclusive of charges for special service, likewise yielded an increased revenue of Rs. 16,13,123 against Rs. 15,25,637 realized in the year previous.

22. The receipts from the Wheel Tax aggregated Rs. 5,64,601, exclusive of Rs. 22,375 derived from the right of collecting tolls at the Mahim and Sion Causeways, against Rs. 5,40,649 realized from the tax in the year previous. During the year 3,471 four-wheeled vehicles were taxed against 3,437 in the preceding year and 3,517 in the year 1915-16, and 967 two-wheeled vehicles against 928 in the previous year. There was, however, a substantial increase in the number of motor cars taxed during the year, which rose from 1,734 in the previous year to 2,003 in the year of report. 307 motor cycles were taxed during the year against 317 in the previous year.

23. The gross collections from Town Duties for the year aggregated Rs. 45,55,335 against Rs. 38,85,306 in the previous year and the refunds allowed in respect of goods exported amounted to Rs. 23,43,240 against Rs. 20,44,046, the net revenue thus amounting to Rs. 22,12,095 against Rs. 18,41,259, showing an increase of Rs. 3,70,836, which is due to heavier imports of all the dutiable articles except beer. The revenue was the largest ever realized from the source.

Public Works.

24. General Branch.—Although several new works had to be kept in abeyance owing to the financial stringency due to circumstances arising out of the war and some had to be abandoned for other reasons, still the Executive Engineer's Department had a large number of works to carry out. The construction of one of the two chawls for halalkhores and biggaries at Valpakhadi and of semi-permanent chawls for halalkhores and for the carcass establishment at Tardeo Flats and the work of filling in the low-lying ground for constructing chawls for the Health Department biggaries of F Ward were completed. The verandah at the Arthur Road Hospital was extended and the ventilation of the Hospital was improved. A cook-room, water-closets and washing places were provided at the Maratha Hospital. The work of erecting an observation shed at the Bullock Hospital at Sankli Tank was in progress. A screen was provided round the skinning ground at Chembur. The foundation work of the proposed two wards and the work of providing conveniences at the Acworth Leper Asylum were completed while the work of the construction of the two wards was well in hand at the close of the year. Plans for the proposed European Infectious Diseases Hospital were under preparation. A considerable portion of the Haines Road Cemetery was filled in and the work of filling in the Roman Catholic Cemetery at Haines Road was in progress. Latrines and Urinals were provided at the junction of Trimbak Parashram Street and 2nd Pathan Street and a bathing place at the junction of Khetwadi Back Road and Khetwadi 2nd Lane. The work of constructing a market on the west side of the Musjid Bunder Station was in progress and arrangements were being made at the close of the year to entrust to a contractor the work of constructing two additional sheds at the Bandora Slaughter Houses for affording shelter to the animals brought there for slaughter. The work of repairing the Victoria and Albert Museum and of providing wrought iron grills to the windows of the Museum was completed. A further portion of the terraced garden at the Malabar Hill was laid out and an excellent view point from Ridge Road and a plateau was formed, making the garden much more attractive than before. The work of converting the Falkland Road Garden and the Northbrook Garden into play-grounds was in progress. The Nawab Tank was filled up to the ground level and the site is proposed to be kept for use as a play-ground for children. Besides the abovementioned works, many other works of public utility engaged the attention of the Executive Engineer's Department. The building and repair works carried out through the agency of the petty works contractor amounted to Rs. 86,200. The registration of the class and floor area of tenements in new and altered buildings in the City started in 1914, was continued, and 1,113 buildings were surveyed during the year for the purpose, the number of buildings surveyed since the commencement of the work totalling 4,458. The important work of revision of the valuation of Municipal properties was in progress. The work of revising the list of E Ward which was commenced last year was pushed further during the year of report. Besides this acquisitions of new properties in other wards during the whole year have been duly noted and general investigations have been made and notes taken in respect of various properties in all the wards. Valuable information has been gathered in respect of properties in D and G Wards during the course of such general investigation.

25. Drainage.—The engines in the New Pumping Station at Love Grove worked fairly well, but trouble was experienced in the working of the pumps in which several suction and delivery frames got broken owing to the brass liners on the frames getting loose on account of the acid nature of the sewage. Five new delivery and two new suction frames of stronger designs were manufactured and fitted and these have so far proved satisfactory. The manufacturing skill available here failed however to devise any satisfactory substitute for the English valve faces which had become scarce. Greater

success appears to have been attained in replacing screen chains which corrode rapidly. The short diversion which was, during the previous year's monsoon, fitted to the left hand barrel of the outfall pipes to permit of the discharge of sewage to the sea without interfering with the work of the new outfall is still in use. It was found necessary to assist the pumps in the new pumping station by the old Worthington pumps off and on for an aggregate period of 5,997 hours. Considerable trouble arose in obtaining the required quantity and quality of coal. Rubble coal suited for mechanical stokers could not be obtained owing to the action of the Coal Controller and the use of steam coal instead resulted in occasional jamming of the stokers.

26. The work of constructing the New Low Level Outfall at Love Grove was continued during the year and a further length of about 226 feet was constructed, thus making a total length of 1,793 feet of the outfall from the Engine House. The section of the outfall now nearing completion is situated on a rock barrier exposed to breaking seas and it was quite impossible to carry on the work on the actual outfall on 251 days of the year. Consequently the progress was very slow and far from being commensurate with the efforts expended.

27. The Colaba Air Compressor Station and the Love Grove Air Compressor Station and the several Ejector Stations connected with them worked pretty satisfactorily during the year except that towards the latter part of the year, the four armatures of the electric motors at the Colaba Station broke down, necessitating the use of the steam plant for some time. The work of renewing the 1 7" cast-iron sealed sewage main in Fergusson Road which was commenced in the preceding year was in progress at the close of the year of report. The ejector in Club Road was removed after the completion of the new drain in that locality. Further satisfactory progress was made with the duplication of the main sewer necessitated owing to the duplication of the Tansa Water Supply. The third section of the sewer from the junction of Lamington Road and Gilder Lane to the junction of Charni Road and Khetwadi Back Road, commenced in the previous year was carried to completion. This section together with the 1st and 2nd sections worked very satisfactorily during the year. The total certified expenditure on the three sections upto the end of the year amounted to Rs. 8,91,131. Numerous works in storm-water drains were undertaken with a view to preventing or abating the serious floods occurring annually in different parts of the City during the monsoon. Among the works completed or well in hand were the construction of storm-water drains in Balaram Street, Victoria Road, Thakurdwar Road, Annesley Road, Parel Road from Chinchpokli Road to Connaught Road and Curry Road, and the laying of a short length of storm-water drain connecting Morland Road storm-water drain to the head manhole of the Ripon Road drain. Storm-water drains were also constructed at Waudby Road, Napier Road, Siri Road, Lady Jamsetjee Road, and Portuguese Church Street. A portion of the important piece of storm-water drain from the junction of Kalachowky Road and Parel Road to the high level drain in the Petit Orphanage ground was to be undertaken but unfortunately no tenders were received for the work. It is proposed to re-invite tenders in 1918–19 for the whole work. Pipe sewers were laid in a passage off Elphinstone Road in the locality known as "Saitan Chowky" and in a small part of Mahim, the latter being connected to a septic tank and hopper near the foreshore at Mori Road. The Executive Engineer having suggested certain alterations in the scheme for the sewerage of the north of the Island, the matter was placed before the Drainage Committee of the Corporation and it was decided to obtain Mr. G. Midgley Taylor's opinion on the Executive Engineer's suggestion.

28. During the year 247 street connections were made against 255 in the preceding year, at a cost of Rs. 12,236. In addition to these, 162 storm-water connections were made, costing Rs. 7,739 against 185 in the preceding

year. 21 manhole frames and covers were provided over some of the storm-water drains in the City. 1,434 improved concrete covers were provided over storm-water entrances. These covers have proved effective in arresting the breeding of mosquitoes.

29. STREETS AND BUILDINGS.—3,105 building applications were received during the year against 3,286. 524 notices were issued for the removal of unsafe buildings against 376 in the preceding year. Of these, 415 were complied with, 6 were either cancelled or withdrawn and 103 cases were pending at the close of the year. 26 buildings or parts of buildings fell during the year against 25 in the year preceding. In 24 cases no injury was done and in the remaining 2 cases 8 persons were injured and 5 killed. Action was taken for the removal of 149 inflammable and insanitary huts, of which 94 were removed, 7 allowed to remain and 48 cases were pending at the close of the year. 110 notices were issued, under Section 378 of the Municipal Act, for the improvement of insanitary buildings. In 41 cases the owners complied with the requisitions, and the remaining 69 cases were pending at the close of the year.

30. 832 prosecutions were instituted against 602 in the previous year. 254 cases were withdrawn on compliance with the requirements of the Department. In 272 cases the parties were warned and discharged, while 231 persons were convicted and fined, and 75 cases were pending at the close of the year.

31. The area of roads metalled and patched during the year was 5,728,899 square feet against 6,260,292 square feet, and the total amount spent on repairs and maintenance was Rs. 6,19,628 against Rs. 6,37,772, the rate for full metalling working out at 1 anna per square foot against 10·98 pies in the preceding year. The higher rate for the year under review was due to the increased rates of wages granted to the labour staff and to the increased prices of road metal and sand. As in the previous year considerable difficulty was experienced on account of scarcity of labour and cartage and the deficient and unsatisfactory supply of material. With a view to reducing the difficulty in obtaining road metal and other materials the Municipality secured the right of quarrying an area of about 5,228 square yards on the north side of Sandhurst Road at Nowroji Hill, belonging to the City Improvement Trust was purchased by the Municipality on certain conditions and quarrying operations were commenced before the close of the year. Out of 170 miles of road, 22¾ miles were disturbed in connection with pipes, cables, &c., against 26 miles in the preceding year. The operations of the Tramways Co., the Gas Co., the Telephone Co., and the Tata Hydro-Electric Co. were responsible for the disturbance of about 13 miles. Roads measuring 29,11,009 square feet were treated with tar at a cost of Rs. 1,83,385. 12 roads or portions of roads carrying heavy traffic and covering an area of over 1,81,256 square feet were provided with rubble bottoming and a portion of Frere Road with cement concrete bottoming. The proposed extension of the wood pavement in Frere Road could not be carried out as wood blocks for the purpose could not be obtained.

32. The works of cutting down a further portion of Sewri Cemetery Road so as to bring it to the level of the adjoining roads and of lowering a portion of Musjid Bunder Road were taken in hand. Waudby Road was widened to 50 feet, and Nesbit Road and a portion of Worli Road were taken up for widening. The work of widening and remodelling Mahim Bazar Road (now called Cadell Road) and Mahim Bazar Cross Road was completed. 5,002 square yards of land of estimated value of Rs. 93,797 were added to roads as set-backs, the total expenditure on general street improvement amounting to Rs. 1,78,873. Five streets were taken over by the Municipality during the year and declared public. Eight private streets were under action for improve-

ment under Section 305 of the Municipal Act. New footpaths were formed at several places and some of the existing foot-paths were paved, and most of the kutcha foot-paths in the City were put in good order and spread over with furnace clinkers. 370 new road-side trees were planted in 7 streets and the work of improving the condition of existing road-side trees was continued.

33. TRAMWAYS.—A new double tram track along Kingsway from Parel Terminus to the Labour Corps Depot (Dadar) about 5,050 feet in length was laid during the year. A length of about 1,300 feet of single track from Arthur Bunder to Colaba Railway level crossing was converted into a double line.

34. OVERBRIDGES.—The Currey Road Overbridge has been completed with the exception of the approach along DeLisle Road which could not be taken in hand as the B. B. & C. I. Railway Company were not ready for the work. Temporary arrangements have, however, been made to join the approach to DeLisle Road and the bridge has been opened to the public. Owing to the war the work of constructing the proposed Clerk Road Overbridge on the B. B. & C. I. Railway could not be proceeded with by the Railway Authorities. Almost all the properties required for the overbridge at DeLisle Road over the B. B. & C. I. Railway have been acquired. Estimates for the Dadar Overbridge were being prepared by the Railway Company at the close of the year.

35. LIGHTING.—6,687 gas lamps and 1,152 kerosene oil lamps were maintained during the year at a cost of Rs. 4,42,139 and Rs. 32,805 respectively. These figures indicate an increase of 164 in the number of gas lamps and a decrease of 37 in the number of kerosene oil lamps and a net increase of Rs. 5,375 in the cost. Owing to the restrictions placed by the Coal Controller on the consumption of coal, the two light lamps in Cadell Road and Lady Hardinge Road were made to burn with one light and the high pressure lamps at Chowpatty, Sandhurst Bridge, Walkeshwar Road, Hornby Road and Lamington Road which burned till midnight were made to burn upto 9 p.m. only.

36. WORKSHOPS.—The value of departmental and private work turned out at the Workshops has been computed at Rs. 2,93,611 against Rs. 2,43,058 during the preceding year, the net result of the year's transactions being a balance of Rs. 12,238 in favour of the Workshops. The work of construction of the New Workshops at Foras Road, the third and final section of which was taken in hand in the preceding year, could not be altogether completed during the year of report owing to the inability of the contractors to deliver all the machinery contracted for. The four motor-cars provided for the Engineering and Health Departments and the supernumerary car covered 29,200 miles at a running cost of 5·14 annas per mile as compared with 5·53 annas in the preceding year.

37. WATER WORKS.—During the year the Water Works were maintained in a state of efficiency. The old timber and tiled roofs over Filters Nos. I to IV at the Malabar Hill Reservoir were replaced by a cement concrete roof and a welcome extension of over 10,000 square yards was made of the public garden over the Reservoirs. The work of reconstructing a length of 160 feet of the Tansa Duct at Bhandup which had collapsed and had been temporarily repaired in 1901 was taken in hand and was nearing completion at the close of the year. The works of repairing the leaks along the whole length of the duct and the regrading of the Tansa and Tulsi mains were continued throughout the year. Lt.-Col. W. W. Clemesha, M.D., I.M.S., Sanitary Commissioner with the Government of India, whose services were obtained by the Corporation for a special investigation of the Bombay Water Supply, submitted his report, after considering which the Corporation decided to carry out certain measures for the improvement of the water supply.

Among these measures one of the most urgent was the installation of mechanical filters for filtering the Tulsi Lake supply, in regard to which complaints were being annually received during the hot season, especially just before the break of the monsoon. During the hot weather the water deteriorated to such an extent that its supply had to be discontinued except for trade. Prompt action has, however, since been taken to instal the filters as soon as possible and a contract has already been entered into with a firm of contractors for the supply and erection of a Paterson Water Purification Plant. It appears that the consumption of water in the City has far exceeded what was anticipated at the time when the duplication of the Tansa main was decided upon, and as the existing mains can bring in no more water than is at present received, it has been suggested that a third aqueduct or main from the Tansa Lake will have to be constructed. The Corporation have sanctioned the necessary funds for carrying out a survey of the country through which the contemplated main will pass. During the year of report proposals were considered for disposing of the Pawai Lake and the pumping engines and boilers thereat have been sold to the Government of Madras. In view of a scheme, however, which has since been proposed for the industrial development of Salsette it is almost certain that it will be possible to utilize Pawai water profitably for industrial purposes.

38. All the lakes were blessed with superabundance of rainfall much above the average. Consequently even the Vehar Lake overflowed for a second time since 1909, it having overflowed last in 1914. At Tansa Lake the rainfall was 116·79 inches against 113·75 in 1916, and was 14 per cent. above the average for the preceding five years ; at Vehar it was 117·78 inches against 99·38 in 1916, and was 28 per cent. above the average ; at Tulsi it was 138·28 inches against 92·35 in 1916 and was 48 per cent. above the average. Tansa Lake overflowed continuously from the 24th July to 3rd November 1917, Tulsi from the 27th August to 13th October and Vehar Lake from 5th October to 13th October 1917. As the leakage along the Tansa Duct, owing to which about 2·3 million gallons of water runs to waste per day, cannot be efficiently repaired until the proposed Reservoir at Ghatkoper has been constructed, it is desirable that steps should be taken to put the work in hand as soon as possible.

39. 391 new water connections were made and 177 were cut off for various reasons, of which 76 were restored. There were therefore 25,832 connections against 25,542 at the close of the preceding year. Of these, 2,204 were metered against 2,038 in the year 1916-17.

40. 10,671 underground and 21,766 aboveground leaks and defects were detected and remedied by the Waste Prevention Branch of the Water Works Department. In the latter figure are included 16,678 taps found out of order and 1,186 taps left open. Owing to these defects about 886,895 gallons of water per hour was running to waste. In the preceding two years about 2,005,265 and 1,996,720 gallons of water per hour was found running to waste owing to such defects. These figures are the aggregate totals of a great number of leaks detected and do not mean that this quantity of water was actually running to waste at those high rates at any one time throughout the year, yet the leakage stopped by the Water Department was very considerable. Again it is not known how much water must be running to waste in the City every day owing to defects still undetected, but the quantity must be very large, and it would be interesting to know whether more vigorous measures cannot be undertaken to detect and remedy all such defects as soon as possible. No length of main was examined for the first time during the year of report, but the length of main subjected to second and subsequent tests was 2,412,403 feet against 2,537,065 feet in the preceding year. The total length of mains of all sizes sounded was 109 miles and 3,083 feet. No progress appears to have been made with the work of renewing and enlarging the water mains in the City, probably owing to the difficulty of obtaining the required pipes.

Fire Brigade.

41. Throughout the year the Fire Brigade was maintained in a state of thorough efficiency. There were 379 calls to fires of which 39 were false alarms. The fire alarm system continued to work satisfactorily. There were 73 fire alarms in working order and 55 per cent. of the calls to fires were received through the fire alarms, proving their great utility, and desirability of installing more. The actual number of fires was 290 against 182 in the previous year. Of these, 155 fires were extinguished by the Brigade and 135 were extinguished before its arrival. The total damage to property by fire is estimated at Rs. 20,22,278 against Rs. 5,57,837 in the preceding year. The cotton fire epidemic in the first month of the year, however, was responsible for Rs. 11,89,843. Of the total amount of damage, Rs. 18,85,683 represented insured, and Rs. 1,36,595 uninsured property. Four persons lost their lives at the fires during the year and six persons received such injuries that they subsequently succumbed thereto. The Brigade attended at 7 cases of fallen houses, where 5 persons lost their lives by being overwhelmed, 8 persons were rescued alive by the Brigade and 18 received slight injuries. It was also summoned at the Simplex Mill, Clerk Road, to rescue persons overcome by gas-fumes and was successful in rescuing two men alive.

Public Gardens.

42. The number of visitors at the Victoria Gardens in the year of report was 1,555,865 against 1,582,500 in the year previous, showing a slight decrease of 26,635. This decrease was no doubt due to the experimental measure of reserving the Gardens for only ladies and children on 38 Fridays during the year under the orders of the Corporation. This has since been discontinued. The best thanks of the Corporation and of the public are due to Their Excellencies Lord and Lady Willingdon who, as in the previous years, were graciously pleased to allow their Band to play at the different public Bandstands. In all the Band gave seven performances during the year of which four were at the Esplanade Bandstand and three at the Victoria Gardens. Substantial improvements were carried out in the Central Avenue of the Garden, besides other minor improvements to render the Garden more attractive. Several contemplated works of improvements in the Zoological portion of the garden had to be postponed owing to undue rise in the prices of materials.

43. Among the additions to the Zoo at the Victoria Gardens may be noted, 2 Leopard Cats, 4 Hey's See See Patridges and 4 Persian Gazelles presented by the Bombay Natural History Society, a Leopard by Mr. E. M. Kierander, a Leopard Cub, each by Messrs. C. Collins and W. J. Draper, respectively, 3 Leopard Cubs by Capt. G. M. Townshend, a Persian Gazelle by Lt. R. E. Cheesman, 3 spotted Deer by Mr. Noormahomed P. Damji, a Malbrouk Monkey, each by Messrs. B. Plunkett and H. Rahim, respectively, an Indian Gazelle by Mr. W. J. Fenely and an Indian Sloth Bear by Mr. R. C. Thomson. The Corporation are very grateful to these and other donors for these gifts.

44. The endemic outbreak of Bovine Tuberculosis amongst the animals in the gardens which claimed many victims during the two previous years fortunately disappeared during the year of report. A severe outbreak of Rinderpest, however, occurred at the end of January 1918, resulting in the death of 8 Nilgais and 8 Indian Antelopes. The outbreak was confined to only one large enclosure and due precautionary measures were taken to prevent the disease from spreading to other enclosures where rarer kinds of animals are kept. The thanks of the Corporation are again due to Lt.-Col. W. G. Liston, C.I.E., for the *post-mortem* and bacteriological examinations of dead animals and for his ready assistance and advice in regard to the treatment of animals.

45. Victoria and Albert Museum.—The Museum was open to the public during 313 days of the year. The total number of visitors was 8,83,914 against 762,144 in 1916-17, giving a daily average of 2,824 against 2,442 in the preceding year. Many interesting additions were made to the Museum Collection, the notable among which were 10 specimens of pottery manufactured at the Sir George Clarke Technical Laboratory, models in crystal of the most famous historic diamonds of the world and models of battleships, &c., which have been arranged so as to illustrate a naval fight between the British and German Fleets. The work of printing the descriptive and illustrated catalogue of the Old Bombay Room was in hand at the close of the year. Mr. Cecil L. Burns, who had been the Curator and Secretary of the Museum since 1903, retired at the close of the year on his retirement from Government service. Under his direction and close supervision the Museum has been entirely overhauled and reorganized upon a popular basis by making the collections as interesting and instructive as possible to the ordinary visitors and the equipment and the general arrangement and condition of the Museum have been so improved that it can now challenge comparison with any Museum in India.

Health Department.

46. The sanitary administration of the City during the year of report was rendered more difficult than before owing to accentuated adverse influence the War had in considerably increasing the population, permanent as well as floating, and in increasing overcrowding in all directions and enhancing the cost of living due to abnormal rise in the prices of foodstuff and cloth. The health conditions of the City were, however, very satisfactory on the whole and compare very favourably with those of a normal year before the War. There was no epidemic incidence of any disease except Plague, the prevalence of which was of the mildest proportion exacting a toll only 1,706 lives, being the lowest recorded since its commencement in 1896, excepting 1915 when the number of deaths was 599.

47. 21,651 births were registered during the calendar year 1917 against 21,180 during the preceding twelve months. The birth-rate for the year was 22·10 against 21·62 in 1916 and was higher than in any previous year since 1905.

48. The total number of deaths registered from all causes during the year was 33,390 against 30,574 in 1916, giving a death-rate of 34·09 against 31·21 in 1916. The diseases which contributed principally to the increase in mortality were diseases of the respiratory and nervous systems, phthisis, fevers and dysentery.

49. As already noted the prevelance of plague was very mild during the year being responsible for only 1,706 deaths against 1,987 in the preceding year. The usual preventive and precautionary measures, *viz.*, inoculation, rat-destruction, evacuation and disinfection, were continued during the year. Small-pox prevailed throughout the year, but claimed only 269 victims, against 1,021 in the previous year. Usual facilities were provided for the vaccination of Hajis, and out of 1,339 pilgrims who left Bombay for the Haj in September and October, 1,200 were vaccinated in Bombay before embarkation. Facilities were also afforded to the public for vaccination and revaccination, and 38,617 persons were vaccinated. Of these 18,958 were primarily vaccinated and 19,659 revaccinated. Cholera was prevalent throughout the year but did not reach epidemic form, the number of deaths registered from the disease being 61 against 141 in the preceding 12 months. To tuberculosis were attributed 2,118 deaths against 1,902 in 1916. Of these, 1,875 deaths were credited to phthisis, being 195 more than in the previous year. Measures for the prevention and treatment of tuberculosis in the City are now being vigorously taken by the King George V. Anti-Tuberculosis League in intimate relation with

the Health Department. The League have provided two Dispensaries with a Medical Officer in charge of each and three Nurses, and have taken a notable step forward in purchasing a large property on a hillock to the north-east of the Old Government House at Parel with a view to converting it into a Sanitarium and Hospital for tuberculosis cases. It is proposed to start the Institution with 50 beds and to utilize it for treating early cases, segregating advanced cases and treating glandular tuberculosis in children and for an open air school. Through the good offices of our energetic Health Officer Dr. Turner, the League have received a generous donation of Rs. 2 lakhs from the Western India Turf Club for purchasing the property and the Corporation have sanctioned a grant of Rs. 25,000 towards the equipment and of Rs. 10,000 per annum towards the maintenance of the proposed sanitarium in addition to the annual grant of Rs. 10,000 given to the League for other expenses. The League have applied for a similar assistance from Government and it is hoped that the grant-in-aid applied for will be given by Government.

50. In all 2,449 deaths from fevers were registered showing an increase of 308 as compared with the year previous, but a decrease of 298 as compared with the preceding quinquennial average. The death-rate 2·50 was ·32 higher than in the previous year. 262 deaths were attributed to malaria, being 24 more than in the preceding year, but as 37 cases were from the different War Hospitals and 5 were imported cases, the number of deaths in the City proper was 178. The usual anti-malaria operations were continued during the year.

51. All communities, with the exception of Jews, Eurasians and Europeans, registered an increase in the death-rate during the year as compared with the previous year. The lowest mortality was recorded among the Parsis, being 19·81 against 19·22 in the preceding year. The Europeans followed the Parsis with a death-rate of 21·85 against 33·88 in 1916. The death-rate amongst the Jews was the next lowest, being 24·10 against 28·04. Amongst the Eurasians it was 25 78 against 29·13, amongst the Indian Christians 31·83 against 30·09 and amongst the Hindus 34·46 against 30·65, in the previous year. If the small community of Buddhists, which recorded the unprecedented death-rate of 74·39 against 36·33 in 1916, be excluded, the Mahomedans as usual recorded the highest death-rate of 38·31 against 36·91 in 1916, the community having suffered the most from phthisis and diseases of the respiratory system.

52. In the year of report there were 8,870 deaths among infants upto one year of age showing an increase of 655 over the high figure of 8,215 for the preceding year. The death-rate per mille of births registered was 409·6 against 387·86 in 1916. From the following statement given in the Health Officer's report it will be observed that of the 21,651 live births registered during the year, 14,536 or 67·13 per cent. occurred in families living in a single room or sharing it with others, that the number of deaths among such was 6,999 or 48 per cent. of the births, that the proportion varied inversely as the number of rooms occupied, being 43 per cent. in the case of two-room tenements, 27·1 per cent. in the case of three-room tenements and 26·5 in families occupying four or more rooms, and that the lowest percentage of the infant mortality was among the children born in Hospitals :—

	1 room and under.	2 rooms.	3 rooms.	4 or more rooms.	Road side.	Hospitals.	Total.
Births	14,536	2,509	696	681	41	3,188	21,651
Infant mortality	6,999	1,080	189	184	46	375	8,870
Infant mortality per 100 births registered...	1917 48·14	43·04	27·15	26·57	112·19	11·76	40·96
	1916 45·44	37·39	23·01	23·82	171·18	9·18	38·78

It is a matter of satisfaction to learn that a Ladies' Committee was formed in 1916 composed of the most prominent women in the City and that the members of that Association have visited the Maternity Homes regularly and

supervised the work of the Health Visitors by visiting the different sections of the City in order to acquaint themselves personally with the conditions of life and surroundings of the poor with a view to their amelioration. The Standing Committee hope that the efforts of this benevolent Association will meet with tangible results. The Municipal Nurses and Midwives attended 1,604 confinements against 1,354 in 1916 and paid 29,548 house to house visits against 32,111 in the previous year. 512 women were admitted in the Municipal Maternity Home at Bellasis Road, of whom 467 were confined against 352 confined in the preceding year out of 376 cases admitted. The growing popularity of this Home prompted the promoters of the Lady Willingdon Scheme to open two more Maternity Homes in 1917, one at Parel and the other at Colaba, of which the former has been taken over by the Municipality from 1st May 1918. Through the kind offices of Her Excellency Lady Willingdon, whose solicitude for the protection of infant lives and for relieving the sufferings of the poor women of this Presidency cannot be too gratefully acknowledged, the Corporation have received an -offer of Rs. 5 lakhs from the estate of the late Mr. Mohamed Haji Saboo Sidick, which will enable the Corporation to provide additional maternity accommodation. A notable step taken by the promoters of the Lady Willingdon Scheme during the year under report was the establishment of Infant Milk Depots, one at each of the three Maternity Homes at Bellasis Road, Parel and Colaba. Pure pasteurised milk supplied in sealed cans by the Indian Dairy Supply Company at annas 4 per seer, is distributed at each of these depots, morning and evening at anna 1 per seer or entirely free to those too poor to pay the small sum for the benefit of children born in any of the three Homes or under the supervision of the Municipal Nurses or the Health Visitors working under the Bombay Sanitary Association or the Lady Willingdon Scheme. Arrangements have also been made for supplying feeding bottles free of charge. The amount of milk had to be repeatedly increased to meet the growing demand and at present 85 seers of milk are daily distributed at a monthly cost of about Rs. 650.

53. 102,921 persons availed themselves of the free medical aid given at the Municipal dispensaries against 104,565 in 1916. Of these, 1,488 patients were seen at their houses. The number of persons treated at the Aided Charitable Dispensaries at Colaba and Victoria Bunder was 10,799, of whom 31 were seen at their houses. 1,673 notifications of Infectious Diseases were received during the year from Medical Practitioners against 2,665 during the preceding twelve months.

54. 4,850 articles were examined in the Municipal Laboratory during the year, showing a decrease of 1,287 in the number of samples examined during the year previous. Of the 4,850 samples examined during the year, 1,694 were examined chemically and 3,156 bacteriologically. 2,436 lbs of rat poison were prepared in the Laboratory during the year, being the lowest quantity prepared since the year 1914. This was due to the increasingly high cost of glycerine which was one of the ingredients of the poison. During the latter part of the year, however, a very cheap substitute for glycerine was prepared by the Municipal Analyst, Dr. L. L. Joshi, M.D., at the Laboratory, and it is expected that by the use of this newly discovered substitute a saving of about Rs. 4,000 per annum, will be effected in the cost of preparing the poison in future. 1,098 capillary tubes of Glycerinated Vaccine were examined for the presence of pathogenic micro-organisms, before being used for the Vaccination Department, and in none of the tubes the organisms were detected.

55. There were 958 admissions to the Arthur Road Hospital during the year of report, against 1,864 and 878 in the previous two years. Of these, 429 were cases of Small-pox, 118 of Chicken-pox, 81 of Measles, 42 of Cholera and 10 of Erysipelas. 146 cases proved fatal. The incidence of Small-pox mortality amongst the vaccinated and the unvaccinated was 12·39 and 26·66 per cent. respectively, proving as usual the efficacy of vaccination in reducing the case mortality rate amongst those protected by it. The admissions to the Maratha Hospital numbered 797 against 883 in 1916. Of these, 476 were Plague cases, the mortality rate amongst them being 75·4 per cent.

56. For the removal of the City refuse, mechanical means of transport are being gradually introduced and manual labour for the removal of night-soil is also being gradually replaced by the water carriage system. During the year, 715,034 cart loads of rubbish were emptied at the Tardeo Flats and other places against 756,426 in the preceding year. 70,877 night-soil and cesspool carts and 3,618,451 night-soil baskets were emptied at the several night-soil depots as compared with 92,924 night-soil and cesspool carts and 3,963,803 night-soil baskets in the foregoing year. The decrease was due to conversion of privies into water-closets, completion of the house drain connections on Malabar and Cumballa Hills and demolition of a large number of houses at Mazagon, Ghorupdeo and Nowroji Hill.

Licenses.

57. With an increase in the number of licenses from 10,184 in the previous year to 12,430 in the year of report the receipts advanced from Rs. 1,13,858 to Rs. 1,29,484, the largest ever realized. In pursuance of the amendment recently made in Section 394 of the Municipal Act, licenses were for the first time issued for the keeping of eating houses and the storage of Methylated spirit and of gunny bags for sale or for other than domestic use. During the year proposals for further amendment of the Section were before the legislature so as to make the storage of bidi leaves, waste paper, ghee, celluloid, celluloid goods and cinematograph films in certain quantities, subject to a Municipal license. The section has since been amended accordingly.

Markets.

58. The receipts from the Markets and Slaughter Houses increased from Rs. 6,22,859 in the previous year to Rs. 6,67,522. This enhancement was principally due to circumstances arising from the demands of the Military authorities. There was also an increase of Rs. 2,041 in the receipts from Stall Rents and Squatters' Fees collected departmentally.

59. The quantity of unwholesome food destroyed during the year was 3,23,092 lbs. against 4,10,823 lbs. in the preceding year. The quantity of contraband meat seized and destroyed was 7,708 lbs. against 5,970 lbs. in 1916-17.

Primary Education.

60. The growing demand for extending primary education in the City, to a much more extensive scale than was hitherto possible for the Municipality to provide for the public, was engaging the serious attention of the Corporation for some time past, and at their instance the Schools Committee after a prolonged deliberation prepared in the year under review and placed before the Corporation a comprehensive scheme for the gradual introduction in the City of Free and Compulsory Primary Education in about ten years. The Scheme was generally approved by the Corporation and submitted to Government with a request that they will be pleased to consider the financial aspect of the scheme and to agree to share from year to year one-third of the enhanced expenditure in giving effect to the scheme. The reply of Government, which has just been received, is highly gratifying, for Government has been pleased to accept the liability for half the enhanced expenditure. In the meanwhile steady and substantial progress was maintained in providing additional facilities for primary education. 16 new schools were opened, 7 Marathi, including one night school, 5 Gujarati, and 4 Urdu. The number of Municipal Schools for the Depressed Classes increased from 15 to 16. One special class was also opened for factory boys and attached to the Fergusson Road Marathi Nirashrit School.

61. There were in all 211 schools with 28,377 pupils against 195 schools with 23,987 pupils in the preceding year. The number of aided schools increased from 140 to 156 and the number of pupils attending these schools rose from 15,623 to 15,907. These aided schools received a total grant-in-aid

of Rs. 70,282 against Rs. 65,208 in the preceding year. The Schools Committee's receipts for the year aggregated Rs. 6,90,070, and the expenditure was Rs 6,95,243 against Rs. 5,68,398 in the year previous, the increase being due to the opening of new schools, provision of better quarters and equipment for some schools, employment of 143 additional teachers and of several special teachers for teaching special subjects, and the enlisting of additional schools for grants-in-aid.

62. The proportion of trained teachers to untrained teachers was 290 to 255 in Marathi schools. In the Gujarati schools, however, it was 125 to 144 and in the Urdu schools 44 to 209. Efforts to increase the proportion of trained teachers were continued during the year. 66 stipendiaries were maintained at the Government Training Colleges at Poona, Ahmedabad and Rajkot with scholarships from the Committee and the three Training Classes opened in the City two years ago for Gujarati male teachers and Urdu male and lady teachers were continued. A new class for the training of Gujarati Nirashrit School teachers was opened during the year. Special concessions were given to the Normal Class for the training of lady teachers in Bombay by the Seva Sadan and also to the Municipal School teachers attending those classes or going up for the Training College Examinations.

63. No further progress could be made with the work of constructing school buildings. But several projects under the 10 lakhs scheme for the erection of Municipal Buildings at the joint expense of Government and the Municipality were pushed forward materially. Plans and estimates for a combined Municipal Dispensary and School to be erected at Sandhurst Road East out of the donation made by the Hon'ble Sir Ibrahim Rahimtoola, Kt., C.I.E., were finally approved. Khan Bahadur Hakim Mahomed Dayam made an offer for a Marathi school building at Antop Hill, Matunga, which was accepted. 23 schools were removed to better premises and additional accommodation was rented for 30 schools.

64. Among the minor donations received by the Schools Committee was one of Rs. 1,209-11-6 from the Secretaries, Lord Hardinge Birthday Celebration Committee, Bombay, which has been invested as a Trust Fund for giving prizes in the name of Lady Hardinge to the successful students of the 4th standard classes of the Municipal Schools.

65. The Municipal Schools took a befitting part in the Educational Exhibition that was held in the University Buildings in February 1918, their exhibits making up a large and attractive stall by themselves. They secured one medal for "the best work by a Teacher" and two medals and five certificates of merit for schools. About 2,000 children of the higher classes of the Municipal Schools were taken to the Exhibition which was reserved for them under a special arrangement for the purpose.

66. The experimental measures sanctioned by the Corporation for the medical inspection of Municipal school children for a further period of three years commencing with the 1st March 1917 were continued during the year. In all 9,317 children of 94 schools were examined and 3,331 intimations regarding their ailments were sent to their parents, &c. The children were commonly found to be suffering from malnutrition, and diseases of the teeth and eye.

Conclusion.

67. In conclusion the Standing Committee have much pleasure in putting on record their high appreciation of the able and successful administration of Municipal affairs during the year by Mr. P. W. Monie, I.C.S.

MUNICIPAL CORPORATION OFFICE,
BOMBAY, 13*th December* 1918.

S. S. BATLIWALA.
Chairman of the Standing Committee.

Annual Administration Report of the Municipal Commissioner for the City of Bombay for the year 1917-18.

I.—Corporation and Standing Committee.

The Corporation.

1. Mr. J. A. D. McBain, C.I.E., was appointed President of the Corporation at the meeting held on the 12th April 1917, and he held that appointment throughout the year.

2. Sixty-one meetings of the Corporation and ninety-six meetings of the Committees of the Corporation, other than those of the Standing Committee, were held.

3. The changes that took place during the year in the personnel of the Corporation were as follows :—

Mr. Gulam Husen Currimbhoy Ebrahim died on the 16th February 1918 and in his place Mr. D. S. Shellim was elected by the Justices of the Peace on the 15th March 1918.

The Hon'ble Sir Ibrahim Rahimtoola, Kt., C.I.E., resigned on the 1st March 1918, and in his place Mr. Hoosenally Mahomedbhoy Rahimtoola, B.A., was elected by the Ratepayers of B Ward on the 8th April 1918.

4. The following Councillors were absent from the meetings of the Corporation for the period shown below for reasons approved by the Corporation under Section 17 (*b*) of the Municipal Act :—

Name.	Period.
Mr. Joseph Baptista, L.C.E. (Bom.), B.A., LL.B. (Cantab.), Bar.-at-Law.	From 13th July 1917 till after the end of the year.
Mr. Gulam Husen Currimbhoy Ebrahim, J.P.	From 1st April to 8th July 1917 and again from 29th September 1917 to 16th February 1918 (when he died).

The Standing Committee.

5. Mr. Meyer Nissim, M.A., J.P., was appointed Chairman of the Standing Committee at the meeting held on the 4th April 1917, and he held that appointment throughout the year.

6. There were fifty-two regular meetings and three special meetings of the Standing Committee and thirteen meetings of the Sub-Committees thereof.

7. There were forty-six attendances of members for the audit of Municipal Accounts and ninety-one for cheque signing.

8. The following is the list of Municipal Councillors who held office on the 31st March 1918 :—

McBAIN, J. A. D., Mr., O.I.E., J.P., *R* (A Ward): *President.*

†ABDUL SATAR AYUB GAYA, Dr., L.M. & S., *R* (B Ward)
BALKRISHNA WASSOODEW PANDOORUNG, Mr., J.P., *G.*
BAPTISTA, JOSEPH, Mr., L.C.S. (Bombay), B.A., LL.B. (Cantab.), Bar.-at-law, *R* (E Ward)
BARNARD, R. C. H., Mr., *J.P., G.*
BEHRAMJI, NAVROSJI GAMUDIA, Mr., B.A., J.P. *R* (A Ward)
‡§‖ BHALCHANDRA KRISHNA BHATAWADEKAR, Sir, Kt., L.M., J.P., *R* (D Ward)
*BYRAMJEE H. B. JEEJEEBHOY, Mr., J.P., *J.*
CASSAMALLY JAIRAJBHOY PEERBHOY, Mr., J.P., *J.*
CHANDRASEN DWARKADAS, Mr., *R* (C Ward)
†§ CHIMANLAL H. SETALVAD, Mr., B.A., LL.B., J.P., *U.*
CHUNILAL VIJBHUKANDAS MEHTA, The Hon'ble Mr., M.A., LL.B., J.P., *J.*
‡ COWASJI JEHANGIR READYMONEY, Mr., O.B.E., B.A. (Cantab.), J.P., *J.*
*†‡ DAVID, SASSOON, Sir, Bart., J.P., *G.*
‖ D'MONTE, D. A., Dr., M.D., L.R.C.P. (London), L.M. & S., M.R.C.S., J.P., *G.*
DINSHA RAMANJI PESTANJI MASTER, Dr., L.M. & S., J.P., *R* (C Ward)
†§ DINSHA EDALJI WACHA, The Hon'ble Sir, Kt., J.P., *R* (A Ward)
DINSHAW MANOCKJI PETIT, The Hon'ble Sir, Bart., J.P., *J.*
**FAZULBHOY CURRIMBHOY EBRAHIM, The Hon'ble Sir, Kt., J.P., *R* (G Ward)
GORRIE, H. T., Mr., J.P., *C.C.*
HAJI SULEMAN ABDUL WAHED, Mr., *J.P., G.*
†HIRALAL DAYABHAI NANAVATI, Mr., B.A., LL.B., *R* (C Ward)
HOOSEINBHOY ABDOOLABHOY LALLJEE, Mr., *R* (B Ward)
HOOSEINBHOY ABDULKADAR NAKHODA, Dr., L.M. & S., J.P., *R* (B Ward)
HUGHES, R. D., Mr., J.P., *J.*
*H. P. MODY, Mr., M.A., LL.B., *R* (D Ward)
JAMSETJI ARDASEER WADIA, Mr., J.P., *J.*
JAMSETJI JEJEEBHOY, Sir, Bart., J.P., *J.*
JEHANGIR BOMANJEE PETIT, Mr., J.P., *R* (D Ward)
JEHANGIR DOSABHOY FRAMJI, Mr., I.S.O., J.P., *G.*
†JEHANGIR J. CURSETJI, Dr., M.D., L.R.C.P., L.R.C.S., *R* (C Ward)
JENKINS, J. D., The Hon'ble Mr., J.P., *G.*
KARAMALLY PEERBHOY HAJI, Mr., *R* (B Ward)
KAVASJI EDALJI DADACHANJI, Dr., L.M. & S., J.P., *R* (D Ward)
KHIMJI HIRJI KAYANI, Mr., J.P., *R* (B Ward)
LISTON, W. G., Lt.-Col., C.I.E., M.D., D.P.H., I.M.S., J.P., *J.*
MADHAVJI VIRJI, Mr., B.A., LL.B., *R* (A Ward).
MAGANLAL DALPATRAM KHAKHAR, Mr., J. P., *R* (C Ward)
MAHOMEDBHOY CURRIMBHOY EBRAHIM, Mr., J.P., *G.*
MAHOMED HAJEEBHOY, The Hon'ble Mr., J.P., *J.*
*MAHOMED HUSEN A. HAVELIVALA, Mr., Bar.-at-Law, *R* (E Ward)
MANAJEE RAJOOJEE KALEWAR, Rao Saheb, *R* (E Ward)
†MIRZA ALI MOHAMMED KHAN, Mr., M.A., LL.B., J.P., *G.*
MAHOMED ISMAIL CURTAY, Mr., *R* (C Ward)
†MORESHWAR CHINTAMAN JAVLE, Dr., J.P., *R* (C Ward)
MULJI B. BARBHAYA, Mr., J.P., *G.*
†NADIRSHAW H. E. NUKHIA, Dr., L.M. & S., L.V.Sc., F.R.S.I. (London), J.P., *R* (A Ward).
† NARAYAN VISHVANATH MANDLIK, Mr., B.A., LL.B., J.P. *J.*
*NISSIM, MEYER, Mr., M.A., J.P., *J.*
ORR, J. P., Mr., C.S.I., I.C.S., J.P., *G.*
‖PHIROZE CURSETJI SETHNA, The Hon'ble Mr., C.B.E., J.P., J.
POONSEY HIRJI MEISHERI, Dr., L.M. & S., J.P., *R* (B Ward)
RAHIMTOOLA MEHERALLY CHINOY, Mr., J. P., *G.*
RAHIMTULLA CURRIMBHOY, Mr., B.A., *R* (F Ward)
RAJARAM TUKARAM, Mr., *R* (A Ward)
*† RAMCHANDRA BHASKER MANTRI, Mr., J.P., *R* (D Ward)
† RAMKRISHNA SHRIKRISHNA NAVALKAR, Mr., B.A., LL.B., *R* (C Ward)
* RATANSHA TEMULJI NARIMAN, Dr., M.D., F.R.M.S., J.P., *J.*
* SALEBHOY KARIMJI BARODAWALLA, The Hon'ble Mr., J.P., *R* (E Ward)
SHELLIM, D. S., Mr., J.P., *J.*
‡SHEPHERD, W. C., Mr., I.C.S., J.P., *G.*
SHERIF DEVJI CANJI, The Hon'ble Mr., *R* (B Ward).
* SHIAVUX SORABJI BATLIWALA, Dr., L.M. & S., J.P., *R* (F Ward). (*Chairman, Standing Committee.*)
SORABJI CURSETJI DHONDY, Mr., *R.* (E Ward).
SUNDERRAO DINANATH NAVALKAR, Mr., M.R.A.S.B. *R* (C Ward).
TEMULJI BHIKAJI NARIMAN, Sir, Kt., L.M., F.C.P.S., J.P., *U.*
‡ TOD, A. M., Mr., J.P., *CC.*
*‖ VASANTRAO ANANDRAO DABHOLKAR, Mr., J.P., *G.*
*† VINCENT, F. A. M. B., Mr., M.V.O., J.P., *G.*
VITHALRAO KRISHNAJI VANDEKAR, Rao Bahadur, J.P., *J.*
*‡ WHYTE, A. H., Mr., J.P., *G.*

Note.—The letters against the names signify—*R*, that the Member was elected by the Ratepayers; *J*, by the Justices of the Peace; *CC*, by the Chamber of Commerce; *U*, by the University; and *G*, appointed by Government.

Note.—The marks against the names signify—*, Member of the Standing Committee; †, Member of the Schools Committee; ‡, Member of the Board of the City of Bombay Improvement Trust; §, Member of the Board of the Victoria Jubilee Technical Institute; ‖, Representative on the Board of Management of the Acworth Leper Asylum at Matunga; **, Representative on the Board of Trustees of the Prince of Wales Museum of Western India.

9. I held charge of the office of Municipal Commissioner throughout the year.

II.—Heads of Departments.

10. Khan Bahadur B. D. Banaji, Assessor and Collector, was on privilege leave from the 1st June to the 31st August 1917, during which period Mr. R. G. Robottom, Assistant Assessor, First Grade, acted for him.

11. Mr. B. H. Hewett, A.M.I.C.E, Deputy Executive Engineer, Mechanical Branch, died on the 11th June 1917. Mr. W. A. Niven, A.M.I.C.E., Assistant Water Engineer, acted as Deputy Executive Engineer, Mechanical Branch, from the 22nd May to the 5th September 1917. He was granted privilege leave on account of illness from the 6th September to the 3rd October 1917 from which date he reverted to his appointment in the Water Department. Mr. Alick Dunn, Inter. R.I.B.A., M. Inst., M. & C.E., Assistant Engineer, Buildings and Architecture, was placed in charge of the Mechanical Branch in addition to his

own duties during Mr. Niven's absence. Mr. E. Gordon Cameron was appointed Deputy Executive Engineer, Mechanical Branch, and took charge of his duties from the 3rd October 1917.

12. Mr. F. R. Melville, B.SC., A.M.I.C.E., Resident Engineer, Love Grove Outfall Works, was appointed Deputy Executive Engineer, Roads, in addition to his own duties from the 1st March 1918.

13. Mr. R. N. Coyaji, Revenue and Refund Audit Officer, retired from service on the 1st April 1917 and Mr. Harischandra R. Palkar, Assistant Accountant, Chief Accountant's Office, was appointed Acting Revenue and Refund Audit Officer.

14. Mr. P. P. Vagh, Superintendent of Licenses, retired from service on the 1st April 1917 and Mr. H. Wald, Assistant Assessor, Second Grade, was appointed in his place.

15. Mr. C. D. Mahalaxmiwalla, Superintendent of Gardens, was on combined leave throughout the year and Mr. Jamshed M. Doctor, C.M.Z.S., Assistant Superintendent, Zoological Collection, acted for him.

16. Mr. Cecil L. Burns, Curator and Secretary, Victoria and Albert Museum, was on leave from the 2nd July to the 1st September 1917, during which period Mr. E. R. Fern, Superintendent of the Pottery Department, Sir J. J. School of Arts, acted for him.

17. Mr. David Robertson, A.C.A., Deputy Accountant, proceeded on the 15th August 1917 on military training preparatory to active service.

18. Rao Saheb B. Rama Rao, Assistant to Commissioner and Superintendent of Printing and Stationery, was on combined leave from the 1st October 1917 to the 2nd April 1918. Mr. K. A. Munshi, B.A., retired Superintendent, Secretariat, acted for Rao Saheb Rama Rao from the 1st October to the 31st December 1917 and Mr. K. P. Guzder, Chief Clerk and Accountant, Executive Engineer's Office, for the remaining period.

19. The following officers continued in their respective appointments throughout the year :—

Dr. J. A. Turner, C.I.E., M.D., D.P.H., Executive Health Officer.

Mr. James W. Mackison, B.SC., M.INST.C.E., Executive Engineer.

„ N. Maughan, M.I.C.E., M.R.S.I., Deputy Executive Engineer, Drainage.

„ H. J. Trives Smith, M I.C.E., M.I.M.E., Hydraulic Engineer.

„ W. E. Waite, Chief Accountant.

„ R. P. Masani, M.A., Municipal Secretary.

„ Harischandra R. Palkar, Acting Revenue and Refund Audit Officer.

„ T. C. Greenop, Chief Officer, Fire Brigade.

„ L. W. Michael, Superintendent of Markets.

„ H. Wald, Superintendent of Licenses.

„ E. J. Hale, Storekeeper.

„ D. G. Padhye, M.A., Secretary, Schools Committee.

III.—Financial.

I.—General.

20. The Revenue realized during the year amounted to Rs. 1,48,29,386 and the expenditure to Rs. 1,42,61,391, there being thus a surplus of Rs. 5,67,995. Had the write-off of Rs. 6,34,256 for depreciation on 3½ per cent. Government Paper for which a reserve was provided in the revised estimates for 1917-18 been adjusted during the year, there would have been a deficit of Rs. 66,261. The year opened with a working cash balance of Rs. 65,93,786 including Rs. 5,35,267 being the value of stores in hand, and closed with a balance of Rs. 71,61,781 of which Rs. 11,17,198 represents grants for 1917-18 and previous years to be renewed, Rs. 6,98,304 the value of stores in hand, Rs. 1,00,000 the minimum cash balance required by law, Rs. 11,52,687 the contribution payable to the City Improvement Trust in the year 1918-19 and Rs. 67,001 the value of plant and machinery. The surplus cash balance at the close of the year thus amounted to Rs. 40,26,591.

II.—Income.

21. The rates of taxation were the same as in the preceding year. The income was, however, Rs. 7,80,647 more than in 1916-17, the chief increase being under (1) General Tax Rs. 2,69,051, (2) Water Tax Rs. 2,25,886, (3) Town Duties Rs. 1,69,970, (4) Halalkhore Tax Rs. 57,486, (5) Market Receipts Rs. 51,395, (6) Licenses Rs. 28,057 and (7) Wheel Tax Rs. 25,560. These increases were partly counterbalanced by decrease under Interest on Surplus, &c., Funds, Rs. 1,10,926 and sundry minor decreases. The reasons for the variations have been explained by the Chief Accountant in para. 18 of his report.

22. With the increase of income, there was a corresponding increase in the incidence of taxation per head. This was Rs. 12-11-11 in the previous year and Rs. 13-9-4 in the year of report.

23. As compared with the revised estimates, there was an increase in the income of the year of Rs. 1,59,386, the reasons for which have been explained in para. 17 of the Chief Accountant's report.

III.—Expenditure.

24. The total expenditure for the year was Rs. 1,42,61,391, or Rs. 47,099 more than in the preceding year. Eliminating Rs. 4,18,447 representing abnormal charges incurred in 1916-17, the increase comes to Rs. 4,65,546. The principal increases were Rs. 50,000 under General Superintendence and Assessment and Collection Department, Rs. 1,14,000 under Public Works, including New Works, Rs. 21,000 under Health Department, Rs. 1,34,000 under Education and Rs. 3,07,000 under Miscellaneous, including Pensions, Grain Compensation, War Allowance, &c. There was on the other hand a decrease of Rs. 2,25,000 under Debt. The details will be found in paras. 31 and 32 of the Chief Accountant's report. The Chief Accountant estimates the annual recurring permanent increase in expenditure at Rs. 3,00,000 (para. 33 of his report), against a permanent increase in income of Rs. 6,80,000 (para. 19).

25. Out of the total sanctioned grants, aggregating Rs. 1,56,67,864, a balance of Rs. 14,06,473 remained unexpended at the close of the year. Of this, Rs. 11,17,198 have been renewed for expenditure in 1918-19 leaving a saving of Rs. 2,89,275. These savings in expenditure and renewals of grants have been dealt with in paras. 26 to 29 of the Chief Accountant's report.

26. The additional grants sanctioned during the year aggregated Rs. 8,71,039, against Rs. 6,99,302 in the preceding year, or an increase of Rs. 1,71,737. This was mainly due to the special grants of Rs. 2,98,135 and Rs. 1,20,312 made in 1916-17 for the creation of the new Lands and Buildings Fund and for the payment of discount on the conversion of 3 per cent. and 3½ per cent. Government Paper into the 4 per cent. Conversion Loan of 1916-17 respectively, having been more than counterbalanced by the grants required in 1917-18 for the payment of Grain Compensation and War Allowance to the staff, for the purchase of motor vehicles and for part payment of the Corporation's share of the cost of the proposed building at Apollo Bunder to commemorate the landing of their Majesties in India. The principal grants will be found detailed in para. 23 of the Chief Accountant's report.

IV.—Loan Works Expenditure.

27. The total outlay on Loan works executed out of Loan Funds amounted to Rs. 12,51,212 against Rs. 12,90,759 in the preceding year, showing a decrease of Rs. 39,547. The total expenditure incurred during the year on Loan Works carried out of Advances from Surplus Cash Balance amounted to Rs. 3,34,586 against Rs. 3,84,466, showing a decrease of Rs. 49,880. As compared with the revised estimates, the actual expenditure shows large variations in some cases, *vide* para. 42 of the Chief Accountant's report.

V.—Plague Expenditure.

28. The expenditure on Plague operations amounted to Rs. 1,32,160 against Rs. 1,29,958 in the preceding year. From the first outbreak of plague upto the close of the year under report, the total outlay aggregates Rs. 83,59,557.

VI.—Capital Debt.

29. No loans were raised during the year, but there was a reduction of Rs. 93,361 on account of repayment of the Vehar Debt and the Drainage Loan of 1878. The Capital Debt of the Corporation was thus reduced from Rs. 7,42,36,994 at the beginning of the year to Rs. 7,41,43,633 at its close. Against this, the total Sinking Fund invested upto 31st March 1918 amounted to Rs. 1,97,26,287 and the outstanding Debentures of the Drainage Loan of 1878, redeemable on or prior to 1st January 1918 and covered by renewed grant aggregated Rs. 1,10,500, leaving a net debt liability of Rs. 5,43,06,846.

30. The action taken by the Chief Accountant with my approval to meet the situation created by the heavy fall in the market value of the securities belonging to the Sinking Fund is explained in para. 41 of his report.

VII.—Assets and Liabilities.

31. The Revenue and Capital Assets of the Municipality compare as under with the previous year :—

	At the close of 1916-17.			At the close of 1917-18.			Increase.
——	Revenue.	Capital.	Total.	Revenue.	Capital.	Total.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Assets	91,07,842	10,65,38,143	11,56,45,985	1,03,75,881	10,81,92,701	11,85,68,582	29,12,597
Liabilities	44,81,664	7,59,52,284	8,04,33,948	54,83,985	7,58,58,923	8,13,42,908	9,08,960
Excess of Assets over Liabilities ...	46,26,178	3,05,85,859	3,52,12,037	48,91,896	3,23,33,778	3,72,15,674	20,03,637

The distribution of the assets is given in paras. 46 and 47 of the Chief Accountant's report.

Stores Account.

32. The balance of Reserve Stock on 31st March 1918 amounted to Rs. 6,98,304 against Rs. 5,35,267 at the close of the preceding year, thus showing an increase of Rs. 1,63,037. There was a slight reduction in the balance of Surplus and Obsolete Stores.

Street Improvements.

33. The total liabilities after allowing for time-barred claims on account of set-backs amounted to Rs. 7,83, 443 upto 30th July 1918 against which the sanctioned funds aggregate Rs. 1,42,085. To this has to be added an additional sum of Rs. 43,222 realized by the sale of set-forward land and permission granted to build within the regular lines of the streets. There is thus a net excess of Rs. 5,98,136.

Miscellaneous Funds.

34. The Municipal Fire and Accident Insurance Fund stood at Rs. 2,51,447 at the close of the year, the Worn-out Water Mains Renewal Fund at Rs. 6,16,854, the Net Premia Fund at Rs. 2,77,179, and the Lands and Buildings Fund at Rs. 3,49,117 (*vide* para. 50 and Appendix No. IV of the Chief Accountant's report).

Fire Tax.

35. The surplus to the credit of the Fire Tax amounted to Rs. 1,03,600 at the close of the year (*vide* para. 72 of the Chief Accountant's report).

36. The comparison of the net revenue and net expenditure for 1916-17 and 1917-18 is shown below, in accordance with the Standing Committee's Resolution No. 12212, dated 3rd February 1892 :—

Particulars.	1916-17.	1917-18.
Net Revenue after deducting Refunds, Drawbacks, and charges in respect of Assessment and Collection and granting of Refunds.	Rs. a. p.	Rs. a. p.
General Tax	50,88,329 9 7	53,47,932 2 1
Fire Tax	12,259 4 10	—7,125 15 8
Wheel Tax and Tolls	5,54,519 9 5	5,79,952 13 2
Town Duties	16,71,545 0 4	18,01,131 15 7
Receipts from Government for Liquor Licenses and Tobacco Duty	4,96,626 15 7	5,15,040 12 2
Water Revenue (net)	60,542 6 2	3,59,309 6 2
Market Receipts	3,77,475 14 9	4,12,074 2 2
Returns from other Property and Miscellaneous	5,33,009 0 5	4,67,106 1 2
Net Receipts ... Rs	87,94,307 13 1	94,75,421 4 10
Deficit	1,65,552 12 10	.....
	89,59,860 9 11	94,75,421 4 10
Net Expenditure after deducting Receipts.		
General Superintendence	2,96,346 0 8	3,05,950 7 0
Public Gardens	72,552 12 3	66,929 0 8
Public Works (Engineering Department excluding Water Works)	25,00,139 13 5	24,99,361 13 11
New Works (excluding Water Works)	1,38,562 11 0	1,59,420 1 3
Public Health Department (excluding Markets)	6,02,420 8 11	4,98,208 0 1
Municipal Debt (excluding Water Works)	24,04,217 6 9	23,63,205 6 10
Primary Education	5,10,000 0 0	5,44,000 0 0
Education	81,472 12 2	87,582 11 11
Hospitals	4,35,960 0 0	4,36,570 0 0
Pensions, Gratuities and Compassionate Allowances	1,01,575 3 4	1,31,637 1 0
Miscellaneous	1,66,520 8 4	4,42,879 3 4
Contribution to the City Improvement Trust	11,01,288 9 0	10,98,112 14 3
Plague Expenses	1,29,957 8 4	1,32,160 6 1
Discount on the Conversion of 3 per cent and 3½ per cent. Government Paper into 4 per cent. Conversion Loan of 1916-17	1,20,312 0 0	.....
Investment of the sale proceeds of Municipal Lands into the Municipal Lands and Buildings Fund	2,98,134 11 9	41,398 13 7
Net Expenditure ... Rs.	89,59,860 9 11	89,07,425 15 11
Excess	.....	5,67,995 4 11
Total ... Rs.	89,59,860 9 11	94,75,421 4 10

37. The Revenue, Expenditure and Balances of the last five years have been contrasted in the following table :—

	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
	Rs.	Rs.	Rs.	Rs.	Rs.
Revenue	1,28,76,501	(a) 1,24,13,266	1,38,21,070	1,40,48,739	1,48,29,387
Expenditure	1,20,48,926	1,24,53,191	1,28,03,870	(b) 1,42,14,292	1,42,61,301
Closing balance (including advances to Loan Works, Reserve Stock, &c., and excluding Minor Deposits, &c.)	58,07,419	57,32,139	67,59,339	65,93,786	71,61,781
Add—Recoverable Revenue outstanding ...	42,218	48,400	32,000	45,000	60,927
	58,49,637	57,80,539	67,91,339	66,38,786	72,22,708
Deduct—Uncompleted Works, &c., and unexpended balances of the grants which were required for payment in the following year ...	10,08,232	10,65,310	9,98,762	8,69,495	11,17,198
Net working Balance available for the requirements of the following year	48,41,405	47,15,229	57,92,577	57,69,291	61,05,510

(*a*) In this year the Fire Tax was reduced from ½ per cent. to ¾ per cent. and the Water Tax from 3¾ per cent. to 3 per cent.

(*b*) Includes Rs. 1,20,312 and Rs 2,98.135 for Discount on the Conversion of 3 per cent. and 3½ per cent. Government Paper into 4 p r cent. Conversion Loan of 1916-17 and for the creation of the Municipal Lands and Buildings Fund respectively.

VIII.—Revenue Audit,

38. The demands, collections and outstandings at the close of the year were duly checked with the Assessor and Collector's books. The number of claims sanctioned for refund on account of vacancy under Sections 174 to 179 and on account of overcollection amounted to 970 representing Rs. 34,431. Tiffe claims to 1/5 drawback under Section 158 (2) of the Act scrutinized aggregated 7,578, of which 4,0 3 were admitted. It was ascertained from the Assessment Book that no property liable to any authorized tax or charges leviable in lieu thereof had escaped assessment. The vehicle and animal tax book was also examined in detail. The revenue from tax on Public Land Conveyances licensed by the Commissioner of Police under Act VI of 1863 was audited and certificates of issue of licenses supplied by that Officer were checked with the Registers kept in this office. The revenue receipts and vouchers of the different departments were examined in detail and the collections paid into the treasury were duly verified. The number of complaints against valuation under Section 163 of the Act investigated by the Revenue office aggregated 599 and the decisions on complaints against amendments under Section 167 of the Act scrutinized totalled 264.

IV.—Assessment and Collection of Revenue.

39. The total demand, taxation being at the same rates as in the previous year, for the first time exceeded a crore of rupees. It was made up as under :—

	Demand Lakhs.	Increase over 1916-17 Lakhs.
General tax	57·73	2·23
Water tax	26·32	2·30
Halalkhor tax	16·14	·70
	100 19	5·23

The balance uncollected at the end of the year was only ·64 per cent. of the demand, about the same as last year.

40. The rateable value of properties increased during the year by 23½ lakhs, from 588·8 lakhs to 612·3 lakhs. The average annual increase during the last 14 years has been 21½ lakhs.

41. The increase in the rateable value this year will probably be at least twice the increase of last year, as the increase in *gross* assessment on 1st April 1918 was 58 lakhs as compared with 26 lakhs last year. This increase is due partly to general increase in rents and partly to reassessment of mills, railways and Port Trust properties.

42. The tax on vehicles and animals brought in Rs. 2,87,770 or about Rs. 18,000 more than last year. The revenue from the toll at Mahim and Sion was Rs. 22,375. A proposal to ask Government to amend the Act so as to enable this toll to be abolished was brought before the Corporation but was not accepted.

43. The question of the assessment of the Port Trust properties was opened within the period of settlement on account of the opening of the Alexandra Dock and other developments of the Trust's property. In addition to a large increase for the current year, about 6 lakhs of rupees are likely to be recovered on account of previous years.

44. The work of the department was greatly increased by rapid increase in rateable value during the latter part of the year, and by the special enquiries necessary with a view to the reassessment of Port Trust properties, etc.

45. The incidence of taxation per head calculated according to the census figures increased to Rs. 13-9-4. Calculated on the estimated population of 11,00,000 (Health Officer's report) the rate would be about Rs. 12 2-0.

46. A reference to the figures in para. 12 of the Chief Accountant's report will show how the value of the property to be taxed is growing more rapidly than the Municipal debt, while our debt in 1903-04 was 1½ times the rateable value, in 1917-18 it was about 1⅕ times. Even if the value of property in the City were not to increase further, the figures I have just referred to show that 177 lakhs of rupees could be spent on works for the improvement of the City without increasing the debt to more than 1½ times the rateable value (as in 1903-04) and nearly 5 crores could be added to the debt without increasing it to the maximum contemplated by Section 109 (*b*) of the Act.

Town Duties.

47. The total collection for the year amounted to Rs. 45,55,335 against Rs. 38,85,305 for the previous year, while the amount admitted for refund was Rs. 23,43,240 against Rs. 20,44,046, the net revenue being thus Rs. 22,12,095 against Rs. 18,41,259 showing an increase of Rs. 3,70,836. There were substantial increases under all the dutiable articles except beer under which there was a decrease of Rs. 3,786. The total net revenue was the largest ever realized. The number of refund claims was 54,170 against 58,212 in the previous year.

V.—Public Works.

Municipal Building Construction.

48. Detailed information regarding buildings constructed or projected is given in the report of the Executive Engineer.

Roads.

49. The area of roads metalled and patched during the year was 57,28,899 square feet, as against 65,60,292 in the previous year. The cost was Rs. 2,88,691, the rate for full-metalling working out to Rs. 6-9-2 per 100 square feet or about anna one per square foot, against Rs. 5-11-0 per 100 square feet, or 10·98 pies per square foot, respectively, in the last year. The increase was due to the increased rates of wages and of road materials. As in the previous year, the progress of works was much hampered by the scarcity of labour and cartage and by unsatisfactory supply of material.

50. Out of about 170 miles of roads about 22¾ miles were disturbed in connection with water pipes and drains and with gas and electric supply mains laid by public utility companies. About 53 roads of an aggregate area of 26,85,731 square feet were tar-painted and 4 roads of an aggregate area of 2,25,278 square feet were tar-grouted. The total cost amounted to Rs. 1,83,383 as against Rs. 74,229 in the previous year. Further extension of wood pavement in Frere Road could not be carried out as intended as blocks could not be obtained. A sum of Rs. 38,003 was spent in providing rubble foundations to about a dozen roads. The widening of Cadell Road and Mahim Bazar Cross Road and the widening and remodelling of Waudby Road were carried out at a cost of Rs. 3,06,521 (exclusive of the cost of tree planting and paved steps on footways) and Rs. 36,704 (excluding drainage) respectively. In the latter case the necessary land was given free of charge by Government. The widening of Nesbit and Worli roads which was taken in hand in January 1918 was in progress. A total area of 5,002 square yards estimated to cost Rs. 93,797 was acquired as set-back land and added to the roads. The total expenditure on street improvements amounted to Rs. 1,78,873. The extension of Lady Hardinge Road eastward upto the G. I. P. Railway level crossing at Matunga which was completed in 1916 was opened to traffic. Two City Improvement Trust roads at Gamdevi were taken over and certain private lanes at Colaba, Dhobitalao and Girgaum were taken over and declared public under Section 306 of the Municipal Act. Action was taken under Section 305 for the improvement of 8 and under Section 377 (1-A) for the improvement of 3 private streets. 370 new trees were planted during the year. Portions of footpaths along 12 roads were paved and footpaths were formed along about 20 roads. Many of the kutcha footpaths were put in order by spreading furnace clinker over them.

51. About 5,050 feet length of new double tram track were laid along King's Way from the Parel Terminus to the labour corps depot at Dadar, and about 1,300 feet of single tram track from Arthur Bunder to Colaba railway level crossing were converted into double track. The number of tram cars running in the city, classified according to the different types approved by the Corporation, with the total carrying capacity of each car during the year was as shown in the report of the Executive Engineer.

Overbridges.

52. The Curry Road overbridge has been completed and opened to the public, temporary arrangements having been made to join the west approach to Delisle Road. It has not been possible for the B. B. & C. I. Railway Company to undertake the construction of an overbridge at Clerk Road, though the necessary land has been made available by the Municipality. Almost all the properties required for the Delisle Road overbridge have been acquired. Estimates for the Dadar overbridge are being prepared by the Railway Company.

Public Lighting.

53. The total number of gas lamps at the end of the year was 6,687, 164 more, and of kerosine oil lamps was 1,152, 37 lamps less than in the previous year. The total cost of gas lighting amounted to Rs. 4,42,139, and the net cost of

kerosine oil lighting to Rs. 32,805. Owing to restrictions placed on the consumption of coal, the two-light lamps in Cadell and Lady Hardinge Roads were made to burn with only one light and the lighting hours of the high-pressure lamps at Chowpati, Sandhurst Bridge, Walkeshwar Road, Hornby Road and Lamington Road were reduced in January 1918.

Municipal Workshops.

54. The Municipal Workshops were fully employed during the year in the repair of plant and machinery used by the different departments and in the manufacture of new articles, and made an estimated net profit of Rs. 12,238 on the year's working. The bills preferred to the various departments amounted to Rs. 2,93,611. The new workshops at Foras Road are not quite completed owing to the inability of the contractors to deliver all the machinery contracted for.

55. The motor cars provided for the use of the Engineering and Health Departments were in use, running 29,200 miles at a cost of 5·14 annas per mile, against 5·53 annas in the previous year.

Works in connection with Plague measures.

56. The sanitary, water and lighting arrangements at Health Camps erected by private parties and by the Municipality were, as in former years, provided at Municipal expense.

Private Buildings.

57. The number of applications for permission either to build or rebuild houses, etc., aggregated 3,105, against 3,286 in the previous year. 2,552 notices were issued against house owners under various sections of the Municipal Act. In 832 cases prosecutions were instituted for non-compliance with notices served against 602 in the previous year. Out of the 832 cases, 254 were withdrawn owing to the requirements having been complied with before the service of process, in 272 cases the parties were warned and discharged, 231 cases ended in convictions and 75 cases were pending at the close of the year. Out of 524 notices issued for the removal of unsafe buildings, 415 were complied with, 6 were either cancelled or withdrawn and 103 were pending at the close of the year. 26 buildings or portions of them fell during the year. In two of these cases there were casualties, 5 persons being killed and 8 injured. Action was taken in 149 cases for the removal of inflammable and insanitary huts. 94 of the requisitions were complied with, 7 were cancelled and 48 were pending at the close of the year. 9 applications were made to the Standing Committee for permission to remove unauthorised works, 7 of which were granted. In 2 of the latter cases the work was pulled down by the Municipality and in 4 it was removed by owners. 3 cases were pending at the close of the year. Of 110 notices issued under Section 378 for the removal of insanitary buildings, 41 were complied with and 69 were pending at the close of the year.

Drainage.

58. The beam engines in No. 2 (new) pumping station at Love Grove worked fairly satisfactorily during the year. Great trouble was experienced owing to the breakage of practically all the suction and delivery frames in the pumps due principally to the acid nature of the sewage. Five new delivery and two new suction frames were manufactured and fitted and these have up to now given good results. The condenser of No. 3 engine cracked whilst starting, but it was rapidly repaired and put in commission. The short diversion referred to in the last year's report which was laid to permit of the discharge of sewage to the sea without interfering with the work of the new outfall, is still in use. Owing to the increased amount of sewage and storm water pumped

and the defects in the pumps, it was found necessary to use the old Worthington pumps for an aggregate period of 5,997 hours. Much trouble was experienced owing to the shortage and inferior quality of coal. The maximum amount of detritus recovered from the screening chamber in one week was 275 tons.

59. The construction of the new outfall at Love Grove was continued during the year, and an additional length of 226 feet was added. The total length of the twin-barrel steel pipe section constructed to date is 751 lineal feet and the outfall has been carried forward to a distance of 1,793 lineal feet from the engine house. The section of the outfall now nearing completion is situated on a rock barrier exposed to breaking seas and no work was possible on the actual outfall itself on 251 days out of 365. Even when conditions were more favourable, the work had to be carried out mainly at night. In consequence progress was extremely slow, the work was very trying and arduous and the diving operations on many occasions involved much hardship and danger to the men.

60. At the beginning of the monsoon great trouble was experienced in opening the Love Grove sluice gates owing to a bank of silt having formed across the storm-water channel. After this had been cleared away a temporary wall of concrete blocks was built across the channel to prevent a similar accumulation of silt in future.

61. The Road Branch was provided with 1,900 tons of metal and rubble by the outfall quarries.

62. The machinery at the Love Grove Air Compressor Station and the ejectors in the Parel, Chinchpokli, Agripada, Malabar Hill and Mazgaon districts worked fairly satisfactorily during the year. The revolutions of the engines were 4,617,170 more than in the past year, owing to the additional amount of sewage pumped due to the increased consumption of water. The consumption of coal was also greater, owing partly to the increased amount of work done and partly to the inferior quality of the coal. The ejector in Club Road was removed after the completion of the new drain in that locality.

63. The machinery at the Colaba Air Compressor Station and the ejectors in this district worked satisfactorily during the year. The sewage pumped by the ejectors amounted to 601 million gallons against 618 million gallons in the previous year.

64. The third section of the additional ovoid sewer required on account of the increased water supply, *viz.*, that from the junction of Lamington Road and Gilder Lane to the junction of Charni Road and Khetwadi Back Road was completed in May. All the three sections worked satisfactorily during the year. The total expenditure on the three sections upto the end of the year amounted to Rs. 8,91,130. Proposals made by the Executive Engineer to modify and complete the scheme for the sewerage of the north of the island were considered and referred, at the instance of the Drainage Committee, to Mr. Midgley Taylor. Among works sanctioned for the abatement of flooding which were either completed or in progress, were drains in Balaram Street, a portion of Victoria Road, a portion of Parel Road near Chinchpokli Road, another portion from Kalachowki Road to the Petit Orphanage ground and Curry Road. Drains were also constructed at Waudby Road, Thakurdwar Road, Annesley Road, Club Road, Lady Jamsetji Road, Portuguese Church Street, DeLisle Road and Siri Road (for the drainage of the gardens on the slope of Malabar Hill), and several open side drains were replaced by covered drains. Pipe sewers were laid in a passage off Elphinstone Road in the locality known as the "Saitan Chowky", and in a small part of Mahim, the sewers being connected to a septic tank and hopper near the foreshore at Mori Road. 247 street connections and 162 storm-water connections were made during the year.

Water Works.

65. The rainfall at all the lakes was above the average and all the lakes overflowed.

66. The amount of water brought into the City increased to about 50 million gallons a day, 35 from Tansa, 11 from Vehar and 4 from Tulsi Lake. Proposals for a survey with a view to a large increase in the water supply are being made, as the increase in the consumption of water has far exceeded what was anticipated when it was decided to lay the second Tansa main, and practically no further increase through the existing mains is possible.

67. The question of the disposal of the Powai Lake was considered during the year, and the pumping engines and boilers were sold to the Government of Madras. It now appears practically certain that after the war it will be possible to utilise Powai water profitably for industrial purposes in Salsette. Meanwhile, arrangements are being made to let the municipal land in the catchment area for cultivation.

68. During the year the Corporation considered Lieutenant-Colonel Clemesha's report on his special investigation of the Bombay Water Supply, and decided *inter alia* to instal mechanical filters at the Tulsi Lake. A contract for a Paterson filtering plant has since been entered into. The endeavours made to improve the Tulsi supply pending the construction of mechanical filters were, as is explained in the Hydraulic Engineer's report, unsuccessful and for a considerable period in the hot weather the Tulsi supply had to be closed down, except for trade.

69. The replacing of the old timber and tiled roofs over the filters and reservoirs at Malabar Hill by a cement concrete roof was commenced, and it was consequently possible to extend the existing garden over 10,000 square yards.

General Stores Department.

70. The total value of general stores available for issue was Rs. 13,67,725, that of general stores issued (including transfers) Rs. 8,24,201, and the balance, after adjustment of small discrepancies, Rs. 5,43,538. The last figure represents an increase of Rs. 1,12,840 over the corresponding figure for the previous year. This is due principally to heavy purchases of cast iron pipes, cement and stoneware pipes at the close of the year for use during 1918-19 and also to the high rates for stores due to the war.

71. During the year 93 contracts for the supply of general and special stores were made. Throughout the year the market continued unsettled and especially towards the close the Storekeeper's work was extremely difficult.

72. The yearly verification of stores was taken in hand, but was not entirely carried out owing to the illness of the verifier.

73. The value of the surplus and obsolete stores which was shown last year as Rs. 3,182 was reduced by Rs. 92 at the end of the year under report. The Line Suspense Account showed an increase of Rs. 12,221 owing to the transfer of 32" cast iron pipes for works at the Mahim foreshore.

Fire Brigade.

74. The Fire Brigade was maintained in a state of thorough efficiency throughout the year

75. There were 379 calls of which 39 were false alarms. There were 290 fires which is 10 more than in 1914 which hitherto was a record year. There were only 7 serious fires during the year. The value of property destroyed by fire is estimated at Rs. 20,22,278. Of this Rs. 11,89,843 is accounted for by an epidemic of cotton fires in the first month of the year.

76. The water supply at fires and the attendance of the Water Department Staff were satisfactory and prompt.

77. Four persons lost their lives at fires and six subsequently succumbed to injuries.

78. Of the 379 calls of fires, 209 were received by fire alarms. This shows that the installation of these applianqes has been fully justified and that their number may be increased with advantage.

79. On 7 occasions the Brigade attended to fallen buildings. Five persons lost their lives and 8 were rescued by the Brigade. It also attended the Simplex Mill, Clerk Road, and rescued 2 men overcome by gas-fumes and recovered six dead bodies.

Public Gardens.

80. The number of public gardens maintained by the Gardens Department during the year was ten. Owing to the war the improvement of Victoria Place could not be completed. Satisfactory progress was made, however, towards the conversion of the Falkland Road and Northbrook gardens into playgrounds for children.

81. The number of visitors to the Victoria Gardens during the year was 15,55,865 against 15,82,500 in the previous year. There was difficulty as usual in obtaining labour, but it is hoped that this will disappear as a result of increases recently allowed in the pay of malis. The water supply was generally satisfactory. A few more roads were tarred and the rest were repaired. The budget provision for constructing drains was used partly for that purpose and partly on anti-malarial measures. Some interesting experiments in planting new varieties of flowers were carried out.

82. There were 16 Band performances at the Victoria Gardens against 11 in the previous year, and 47 and 9 at the Esplanade and Chowpati bandstands respectively against 43 and 11 in the previous year. The number of performances at the Victoria Gardens with admission fees were 10 against a similar number last year and the receipts were Rs. 1,435. His Excellency Lord Willingdon kindly allowed his band to give three performances at the Victoria Gardens and four at the Esplanade Bandstand.

83. A list of additions to the zoological collection will be found appended to the Gardens Superintendent's report. Last year there was no outbreak of tuberculosis amongst the animals as in the two previous years, and an outbreak of rinderpest at the end of January was soon brought under control by isolation of other animals. Lt.-Col. Liston and his staff continued to give help and advice in performing *post-mortem* and bacteriological examination of dead animals at the Parel Laboratory.

Victoria and Albert Museum.

84. The Museum was open to the public on 313 days during the year. The total number of visitors was 8,83,914 against 7,62,144 during 1916-17.

85. 21 animals and birds were added to the Natural History Section. To the Industrial Section have been added 10 specimens of pottery manufactured at the Sir George Clarke Technical Laboratory and models in crystal of the most famous historic diamonds of the world. The model illustrating a modern

land battle having proved very attractive to visitors, it was decided to construct a model of a battle at sea, and with the assistance of Captain A. W. Webb, 70 models of the various kinds of modern sea and aircraft have been made and arranged so as to illustrate a naval fight between the British and German fleets. As a record of Bombay's part in the war, several photographs have been taken of the War Hospitals and other military establishments in the City. 85 models of units of Indian regiments have been added. The descriptive catalogue of the Old Bombay Room has been completed. Among the photographs purchased or presented are 15 relating to the past history of Bombay and of 3 past Governors and 1 Deputy Governor (1669) of Bombay. A number of new books were added to the Library and descriptive labels of 5 sub-sections of the Museum were printed and put up.

86. Mr. Cecil L. Burns retired at the close of the year on his retirement from Government service. I have separately brought to the notice of the Corporation the valuable work he did as Curator of the Museum from the time of his appointment in 1903.

VI.—Public Health.

87. The total mortality for the year was 33,390, being 2,816 more than in 1916, the death-rate was 34·09 in 1917 against 31·21 per 1,000 of the population in 1916. The increase is more apparent than real, as there was a large influx of people from the Mofussil. The Health Officer estimated the population of the city in the middle of 1917 at approximately 11,00,000 as against the census figure of 9,79,445. In spite of overcrowding there was no epidemic except plague and the mortality from plague was lower than in any year since 1896, except 1915.

88. The number of deaths from malaria was 262, from other fevers 2,187, from small-pox 269, from plague 1,706, from cholera 61, from measles 221, from tuberculosis 2,118 and from respiratory diseases 11,231.

89. The number of births registered during the year, exclusive of still-births was 21,651, the highest recorded. This was 471 more than in 1916, and 1,359 more than the average of the decennium 1907-1916. The birth rate per 1,000 of the population works out to 22·10 against 21·62 in 1916, and is higher than in any previous year since 1905.

90. The mortality among infants was 8,870, being an increase of 655 over that recorded in 1916 and of 964 above the average of the quinquennium 1912-1916. The rate of infant mortality on the number of births was 409·6 per 1,000 against 387·8 in 1916, the decennial average being 400·5.

91. Measures towards the reduction of infant mortality were continued, both by the Municipal staff and by the Bombay Sanitary Association and the agency of the Lady Willingdon Scheme. Of the three Maternity Homes established under the Lady Willingdon Scheme, two are now under municipal control, the home at Parel having been taken over on the 1st May 1918.

92. The Municipal nurses attended 1,604 confinements against 1,354 in 1916. Relief to poor women during confinement was given in 551 cases against 382 in 1916. 512 women were admitted in the Municipal Maternity Home, of whom 467 were confined.

93. The usual sanitary measures were taken to control epidemic diseases and vaccination was carried out satisfactorily during the year.

94. The quantity of refuse dealt with by the Conservancy Staff was somewhat less than during the previous year, due chiefly to animals for military purposes being transferred direct to ships from the railway trucks and to decrease in the import trade.

95. There was a decrease of 22,047 in the number of night-soil carts and of 3,45,352 night-soil baskets due to (1) conversion of privies into water-closets, (2) practical completion of house drain connections on Malabar and Cumballa hills, (3) demolition by the Port Trust of a number of unsewered localities in Mazgaon and Ghorupdeo in connection with their schemes, (4) introduction of minor drainage schemes in F and G Wards and (5) demolition of a large number of houses with privies involved in the Sandhurst Road and Nowroji Hill Schemes of the City Improvement Trust.

LICENSES.

96. The amount collected on account of license fees aggregated Rs. 1,29.484 against Rs. 1,13,858 during the preceding year. The fines inflicted by the Presidency Magistrates in 885 prosecutions conducted during the year amounted to Rs. 15,951-4-0. The work of this department is expanding rapidly and an increase in the inspecting staff will not only increase its efficiency, but will probably be followed by a further increase in revenue.

MARKETS.

97. The total revenue from Markets and Slaughter Houses amounted to Rs. 6,67,522 against Rs. 6,22,859 in the previous year, an increase of Rs. 44,663. This is due largely to the requirements of the Supply and Transport Department, the War Hospitals and shipping. The increases were as under :—

Stall rents and squatters' fees collected departmentally	Rs.	2,041
Squatters' fees from fish markets, scale fees, fair ground rent and feeding fees at the Bandra Slaughter Houses	„	10.675
Slaughter fees	„	29,906
Miscellaneous receipts	„	2,041
Total Rs. ...		44,663

98. The number of vacant stalls in the Colaba Market continues as before, while the vacancies in the Fort and Erskine Road Markets have slightly decreased. The increase in fair ground rent and feeding fees was Rs. 9,900, while it was Rs. 13,200 in 1916-17.

99. The number of cows, bullocks and calves slaughtered was 67,476, of sheep and goats 7,50,608 and of buffaloes 9,543, the figures for the preceding year being respectively 64,846, 7,51,655 and 7,565.

100. The percentage of horned cattle rejected was 1·47 against 1·05 in the previous year and that of sheep and goats 2·70 against 2·82. Two buffaloes were rejected. The inspection work was satisfactory.

101. The total quantity of unwholesome food destroyed amounted to 3,23,092 lbs. against 4, 0,823½ lbs. in the previous year. The quantity of meat illegally imported into Bombay and seized and destroyed amounted to 7,708 lbs. against 5,970 lbs. in the previous year. The fines inflicted on such importers amounted to Rs. 1,684.

102. The supplies of mutton, beef, fish, fruit, vegetable, etc., were satisfactory.

103. The financial results of the working of the markets during the year showed a return of 8·98 per cent. on the estimated capital expenditure.

104. No real progress could be made toward the improvement and extension of the markets and slaughter houses on account of the financial conditions arising out of the war.

VII.—Education.

105. The total number of Municipal schools at the close of the year was 211, 16 more than in the previous year. Of the new schools 4 were Marathi and 3 Gujerati Girls' schools, and 3 Marathi, 2 Gujerati and 4 Urdu Boys' schools. The total number of pupils increased from 23,987 to 28,377, and of teachers from 924 to 1,067. In addition, there were 7 teachers of four Teachers' Training Classes and 47 teachers of special subjects such as English, drawing, music, drill, knitting, etc.

106. The total expenditure amounted to Rs. 6,95,243 being an increase of Rs. 1,26,845 over that during the previous year. This is chiefly due to the employment of additional teachers, the improvement of school accommodation, the increase in the number of schools, an increase of 20 in the number of schools receiving grants-in-aid and the equipment of schools. The average cost per pupil was Rs. 22 against Rs. 20·9 in the previous year.

107. 23 more of the old schools were removed to better premises and additional accommodation was secured for 30 others. Plans and estimates for the combined Municipal dispensary and school to be erected at Sandhurst Road out of the donation made by the Hon'ble Sir Ibrahim Rahimtulla, Kt., C.I.E., were finally approved. An offer of a Marathi school building at Antop Hill, Matunga, was made by Khan Bahadur Hakim Mahomed Dayam, and accepted.

108. A total amount of Rs. 70,282 was given as grant-in-aid to 156 private schools. The corresponding amount for the previous year was Rs. 65,208 among 140 schools.

109. The number of trained teachers increased from 409 to 459, the total number of teachers being 1,067.

110. In the 17 schools maintained for the children of mill hands and the depressed classes, the number rose from 1,804 to 2,047.

111. Of the total number of children medically examined, 67·5 per cent. of boys and 86 per cent. of girls were found to be suffering from various ailments and defects. Both the inspectors complain that the parents of children in the Urdu schools failed to respond to their efforts on behalf of the children.

Municipal Servants' Act.

112. It was not necessary to put the provisions of the Municipal Servants' Act into operation in any department of the Municipality.

P. W. MONIE,
Municipal Commissioner
for the City of Bombay.

CHIEF ACCOUNTANT'S REPORT.

FOR 1917-18.

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FINANCIAL.

Report of Mr. W. E. Waite, Chief Accountant, for the financial year 1917-18 as forwarded with his No. A. E./D. 1501 of 20th August 1918.

I have the honour to offer the following remarks on the financial transactions of this Municipality for the year 1917-18 :—

GENERAL RESULTS.

2. The taxes levied during the year were the same as for the year 1916-17. The following statement shows the income and expenditure for the year as contrasted with the original and Revised Estimates and the figures for the preceding year :—

—	Budget Estimates for 1917-18.	Revised Estimates for 1917-18.	Actuals for 1917-18.	Actuals for 1916-17.	Increase or Decrease.		
					As compared with the Budget Estimates.	As compared with the Revised Estimates.	As compared with the previous year.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Income ...	1,38,69,000	1,46,70,000	1,48,29,386	1,40,48,739	9,60,386	1,59,386	7,80,647
Expenditure..	1,39,92,330	1,48,87,148	1,42,61,391	1,42,14,292	2,69,061	6,25,757	47,099
Surplus or deficit.	...	...	+5,67,995	—1,65,553	...	...	...

3. The opening and closing working cash balances are shown below :—

Opening Balance.	Surplus for the year.	Closing Balance.
Rs.	Rs.	Rs.
65,93,786	5,67,995	71,61,781

This closing balance comprises the following items :—

(1)	Surplus Revenue Fund	Rs. 48,91,896
(2)	Lapsed Grants for 1917-18 required to be renewed in 1918-19	„ 11,17,198
(3)	Contribution payable on 1st May 1918 to the City Improvement Trust	„ 11,52,687
	Total ...	Rs. 71,61,781

4. The opening and closing Reserve Stores Balances contrast as under :—

—	1917-18.	1916-17.	Increase or Decrease.
	Rs.	Rs.	Rs.
Serviceable stores	6,95,219	5,32,084	1,63,135
Surplus and obsolete stores	3,085	3,183	—98
Total ...	6,98,304	5,35,267	1,63,037

5. The subjoined statement contains the grants sanctioned for Expenditure in 1917-18 outside the Budget Estimates and their comparison with the figures for the previous year :—

——	1917-18.	1916-17.	Increase or Decrease.
	Rs.	Rs.	Rs.
Additional grants	8,71,039	6,99,302	+ 1,71,737
Renewed grants	8,69,495	9,98,761	— 1,29,266
Total ...	17,40,534	16,98,063	+ 42,471

The grants requiring renewal in 1918-19 as compared with those renewed in 1917-18 are shown below :—

1918-19.	1917-18.	Increase.
Rs.	Rs.	Rs.
11,17,198	8,69,495	2,47,703

Surplus Cash Balance.

6. The Surplus Cash Balance stood at Rs. 40,93,592, thus :—

Surplus Revenue Fund as per Appendix No. 3	Rs.	48,91,896
Deduct—		
(1) Minimum required by law	Rs. 1,00,000	
(2) Reserve Stock not held in cash	„ 6,98,304	
(3) Plant and Machinery	„ 67,001	8,65,305
Net Surplus Cash Balance at 31st March 1918		40,26,591

Incidence of Taxation.

7. The incidence of taxation per head calculated on the basis of the Census for 1911 during each of the five years ending with 31st March 1918 works out as follows :—

Year.	Amount. Rs. a. p.
1913-1914	11 10 5
1914-1915	10 14 8
1915-1916	12 9 8
1916-1917	12 11 11
1917-1918	13 9 4

8. The outstanding of rates and taxes at the close of the year 1917-1918 stood at Rs. 68,127 against Rs. 65,569 in the previous year, showing an increase of Rs. 2,558 as follows :—

Outstanding at	General Tax.	Water Tax.	Halalkhore Tax.	Wheel Tax.	Meter Tax.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
31st March 1917	40,922	8,482	13,088	2,895	182	65,569
Do. 1918	27,233	29,004	7,789	3,857	144	68,127
	13,689	20,522	5,299	1,062	38	2,558
	Decrease	Increase	Decrease	Increase	Decrease	Increase

Comparison with (a) Income for 1916-1917.

9. Of the increase of Rs. 7,80,647 in the receipts for the year over those of the previous year, the principal variations were under the following heads :—

	Increase.	*Decrease.*
	Rs.	Rs.
(1) General Tax	2,69,051	.....
(2) Wheel Tax and Tolls	25,560	.....
(3) Town Duties	1,69,970	.....
(4) Licenses	28,057	.....
(5) Tobacco Duties	18,414	.....
(6) Halalkhore Tax	87,486	.....
(7) Water Tax	2,25,886	.....
(8) Market Receipts	51,395	.....
(9) Miscellaneous Fines and Penalties	...	7,180
(10) „ Receipts	13,052	.....
(11) „ Fees	17,984	.....
(12) Interest and Profit on the Investments of Surplus Loan and other Balances... ...	...	1,10,926
(13) Sale Proceeds of unserviceable tools and plant	...	5,096
(14) Actual Profit on sale of Stores to Contractors...	...	7,035
	9,06,855	1,30,237

Comparison with (b) Expenditure for 1916-1917.

10. As compared with the preceding year, the expenditure for the year shows an increase of Rs. 47,099.

Excluding two special items appearing in the accounts for 1916-17 of Rs. 1,20,312 for Discount on the conversion of 3 per cent. and 3½ per cent. Government Paper into the 4 per cent. Conversion Loan and Rs. 2,56,736 voted for the creation of the new Lands and Buildings Fund, which do not appear this year, the principal variations of expenditure in these two years are as under :—

	Increase.	Decrease.
	Rs.	Rs.
(1) General Superintendence	11,118	.....
(2) Assessment and Collection Department	40,128	.....
(3) Fire Brigade	29,614	.....
(4) Public Gardens	.....	8,934
(5) Public Works	93,182	.....
(6) New Works	20,743	.....
(7) Public Health Department	21,180	.....
(8) Primary Education	1,34,000	.....
(9) Miscellaneous (including Grain Compensation and War Allowance)...	3,07,173	.....
(10) Contribution to the C. I. Trust	...	3,176
(11) Debt...	...	2,25,040

11. The state of the Capital Debt at the beginning and end of the year was as under :—

Amount of outstanding debt at 1st April 1917.	Repayments during the year.	Amount of Loan raised during the year.	Balance of outstanding debt at 31st March 1918.
Rs.	Rs.		Rs.
7,42,36,994	93,360	*Nil*	7,41,43,634

The Progress of the Sinking Fund is shown below :—

Amount of Fund at 1st April 1917.	Interest realizations.	Sinking Fund Instalments.	Amount of Fund at 31st March 1918.
Rs.	Rs.	Rs.	Rs.
1,80,81,729	7,01,262	9,43,296	1,97,26,287

Allowing for the Sinking Fund of Rs. 1,97,26,287 against the outstanding debt of Rs. 7,41,43,634, the net debt liability is reduced to Rs. 5,44,17,347.

Borrowing Powers.

12. The sub-joined statement shows that the wealth liable to taxation has grown faster than the indebtedness of the Corporation and that judged by the limit of double the rateable value allowed under Section 109 (*b*) of the Municipal Act, the reserve of borrowing powers left to the Corporation is still considerable :—

Year.	Rateable value of properties.	Municipal debt.	The ratio of the rateable value of properties in the City as it stood on the 31st March of each year to the aggregate amount of debt at the same time.
	Rs.	Rs.	
1903-04	3,10,16,244	4,74,20,356	1:1·529
1904-05	3,18,86,460	4,86,12,762	1:1·524
1905-06	3,43,83,811	4,97,15,015	1:1·445
1906-07	3,73,16,953	4,96,06,066	1:1·329
1907-08	3,98,64,747	5,07,82,403	1:1·273
1908-09	4,22,01,034	5,20,22,939	1:1·232
1909-10	4,45,13,209	5,49,08,205	1:1·233
1910-11	4,68,59,058	5,62,88,147	1:1·201
1911-12	4,82,55,536	5,91,60,747	1:1·225
1912-13	4,96,64,843	5,90,41,916	1:1·189
1913-14	5,21,62,819	6,48,83,677	1:1·244
1914-15	5,38,67,232	6,88,44,972	1:1·278
1915-16	5,70,83,834	7,44,00,775	1:1·303
1916-17	5,88,81,972	7,42,36,994	1:1·260
1917-18	6,12,34,537	7,41,43,634	1:1·211

Loan Works.

13. The following statement contrasts the expenditure on Loan Works in 1916-17 and 1917-18 with the original and Revised Estimates for those years :—

	From Loan Funds.			Advances from surplus cash balance.		
	Budget Estimates.	Revised Estimates.	Actuals.	Budget Estimates.	Revised Estimates.	Actuals.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1916-17 ...	43,73,190	21,87,949	12,90,759	8,23,509	12,84,287	3,84,465
1917-18 ...	23,64,995	22,03,470	12,51,212	1,48,757	9,35,000	3,34,586
Decrease on the actuals for 1916-17 ...			39,547	Decrease on the actuals for 1916-17.		49,879

Plague Expenditure.

14. The expenditure on Plague operations as compared with the original and final grants and the past year's figures is shown below :—

Actuals for 1916-17.	Budget grant for 1917-18.	Final amended grant for 1917-18.	Expenditure for 1917 18.	Balance unexpended.	Required to be renewed in 1918-19.	Net savings.
Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.
1,29,958	1,23,000	1,56,292	1,32,160	24,132	15,900	8,232

INCOME.

Comparison between Budget Estimates and Actuals.

15. A detailed comparison between the Budget Estimates and the Actuals will be found in Appendix No. 1.

16. The following were the main factors contributing to the excess of Rs. 9,60,386 over the original estimates :—

Budget Head.	Amount of Increase.	Reasons.
	Rs.	
1. General Tax	1,41,394	Due to erection of new buildings and enhancement in rateable value.
2. Wheel Tax	44,976	Due to the increase of victorias, motor cars, motor vehicles, &c., plying for hire and of privately-owned vehicles.
3. Town Duties	3,40,305	Due to heavier imports principally of sugar, ghee, grain, timber and firewood.
4. Tobacco Duty	61,291	Due to heavier imports probably on account of the large number of troops passing through the City.
5. Halalkhore Tax	61,123	Due to the same causes as in the case of General Tax.
6. Water Tax	2,03,720	Due to the same causes as in the case of General Tax and to increases in water consumed by the Port Trust, Mills, &c., and in compounded charges.
7. Market Receipts	59,749	Due to enhancement in slaughter fees owing to heavy military requirements and to increase in the fees for the different market rights.
8. Licenses	28,940	Due to vigilance in the detection of unlicensed premises.

There were also the following minor increases :—

		Rs.
1.	Miscellaneous Fines	6,572
2.	Do. Receipts	6,777
3.	Do. Fees	14,202
4.	Profit on Municipal Workshops	7,233

Comparison between Revised Estimates and Actuals.

17. In the Revised Estimates the total Income was advanced from the original estimate of Rs. 1,38,69,000 to Rs. 1,46,70,000, but the actuals were slightly better, *viz.*, by Rs. 1,59,386, the most important variations being :—

		Rs.
1.	General Tax	26,394
2.	Town Duties	90,305
3.	Halalkhore Tax	10,123
4.	Water Tax	24,720

The reasons for the variations in the Revised Estimates are much the same as those given for increases over the original estimates.

Comparison between the Actuals for 1916-17 and 1917-18.

18. With the taxes levied at the same rates as in the preceding year, the Income this year shows a net excess over the previous year of Rs. 7,80,647, the total increases under the different heads amounting to Rs. 9,11,900 and the decrease to Rs. 1,31,253.

The following were the principal increases :—

		Rs.	
(1)	General Tax	2,69,051	Due to increase in the number of buildings and in the rateable value.
(2)	Wheel Tax	25,560	Due to increase of Rs. 7,511 under hack victorias, Rs. 2,165 under motor taxes, Rs. 17,000 under privately-owned vehicles, betokening general trade prosperity in the City. There was however a decline of Rs. 3,065 under labour carts.
(3)	Town Duties	1,69,970	Due to heavier imports of sugar, ghee, grain, timber and firewood.
(4)	Licenses	28,057	Due to increased vigilance in detecting unlicensed premises.
(5)	Tobacco Duty	18,414	Due to heavier imports probably consequent on Military requisitions.
(6)	Halalkhore Tax	87,486	Due to increase in the number of buildings and the rateable value and also in the receipts under Special Halalkhore Tax.
(7)	Water Tax	2,25,886	Due partly to the same causes as General and Halalkhore Taxes and partly to increase in tax by meter measurement on account of increased consumption by the Port Trust, Railways, Military Camps, War Hospitals, Mills, etc.
(8)	Market Receipts	51,395	Due to (1) enhancement in slaughter fees owing to heavy Military requirements and (2) increase in the fair ground and feeding fees from the contractors.
(9)	Miscellaneous Receipts	13,052	Due to increase in the receipts from the Rent of Municipal buildings, chawls, etc.
(10)	Miscellaneous Fees	17,984	Due to increases under scaffolding and gallery, etc., projection fees, fees for removing dead animals and in fees for vaccination at private premises.

The principal decreases are shown below :—

(1)	Miscellaneous Fines	7,180	Due to reduction in fines on contractors and in Magisterial fines.
(2)	Interest on Investments of Surplus Balances.	1,10,926	Due to shrinkage in available balances consequent upon financing capital expenditure without fresh borrowing.
(3)	Sale proceeds of Unserviceable Tools and Plant.	5,096	Due to unserviceable articles, scrap, etc., available for sale being less than last year.
(4)	Actual profit on sale of Stores to contractors.	7,035	Due to increased prices payable at present for all articles.

19. Excluding the income from Town Duties as being of a variable nature, the principal source which contributed to the expansion of our revenue was the Property Taxes, and I think I may safely put the permanent annual addition to the resources of the Municipality on these accounts at Rs. 5,54,000 as brought out in the sub-joined statement :—

1916-1917.	Amount.	Total.	Grand Total.	1917-1918.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Tax (including Fire Tax) at 9¼ per cent.—				1. General Tax (including Fire Tax) at 9¼ per cent.—			
Total collections booked	54,22,343 3 9			Total collections booked	56,91,393		
Add—				*Less*—			
Excess of refund over recoveries for previous years	1,115 14 10			Arrear recoveries	13,601 0 8		
	54,23,458 2 7				56,77,792 7 7		
Add—				*Add*—			
Outstandings for the year at the close of the year	32,892 0 2	54,56,350 2 9		Outstandings for the year at the close of the year	20,606 14 0	56,98,399 5 7	
2. Water Tax and Miscellaneous Water Works Revenue at 3 per cent. on rateable value—				2. Water Tax and Miscellaneous Water Works Revenue at 3 per cent. on rateable value—			
Total collections booked	24,71,534 4 3			Total collections booked	26,97,720 0 1		
Less—				*Less*—			
Recoveries for previous years	58 14 7			Recoveries for previous years	8,290 4 6		
	24,71,775 5 7				26,89,429 11 7		
Add—				*Add*—			
Outstandings for the year at the close of the year	7,391 9 5	24,79,166 15 0		Outstandings for the year at the close of the year	27,626 11 9	27,17,056 7 4	
3. Halálkhore Tax at 3 per cent.—				3. Halálkhore Tax at 3 per cent.—			
Total collections booked	15,26,636 13 11			Total collections booked	16,13,122 14 5		
Add—				*Less*—			
Excess of refund over recoveries for previous years...	3,613 4 8			Arrear recoveries	7,598 2 3		
	15,29,250 2 7				16,05,524 12 2		
Add—				*Add*—			
Outstandings for the year at the close of the year	10,919 6 8	15,40,169 9 3		Outstandings for the year at the close of the year	6,092 11 9	16,11,617 7 11	
			94,75,686 11 0				1,00,27,073 4 10

Net Income from Property Taxes for 1917-1918		Rs. 1,00,27,073 4 10
Deduct—		
(1) Net Income from Property Taxes for 1916-17	Rs. 94,75,686 11 0	
Less—Increase in Outstanding Balances	„ 3,123 5 3	„ 94,72,563 5 9
Net Increase in 1917-18 over 1916-17		Rs. 5,54,509 15 1

	Rs.
In addition to this increase of	5,55,000
I think we may safely allow for the following further permanent expansion of Income, *viz.*:—	
(1) Wheel Tax and Tolls, say	25,000
(2) Licences	15,000
(3) Tobacco Duty Licenses—a problematical figure, say ...	15,000
(4) Market Receipts, say	50,000
(5) Miscellaneous Receipts, say	10,000
(6) Do. Fees, say...	10,000
Total ...Rs.	6,80,000

The income from Town Duties is too unsettled at present owing to the War to draw any very definite conclusions as to their influence on our financial position.

OCTROI DUTIES.

20. As usual the various articles on which duty was levied at the time of import under the provisions of Section 192 (1) of the Municipal Act, the amount levied and refunds allowed thereon under Section 192 (2) on their export, are shown in Appendix No. 15.

The gross collections for the year were estimated at Rs. 41,00,000, the refunds at Rs. 24,00,000 and the net revenue at Rs. 17,00,000. The actual gross realizations made by the Port Trust and the two Railways were Rs. 45,55,335 and the refunds certified by the Revenue Officer aggregated Rs. 24,14,178.

The net revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 20,40,305, showing an increase of Rs. 1,69,970, as compared with the actuals of the previous year, *viz.*, Rs. 18,70,335, the reasons for which have been explained in para. 18 above. The net realizations, after deducting the cost of collections, amounted to Rs. 18,01,132 against Rs. 16,53,299 in the previous year.

21. I attach, as usual, Appendix No. 16, showing the net revenue derived from each dutiable article during the ten years ending 1917-18, Appendix No. 17, showing the actual collections, the refunds admitted, and the net revenue during the five years ending 1917-18, and also Appendix No. 18, showing the gross collections for the year from each dutiable article month by month from each source with the total refunds admitted as compared with the figures of the preceding year.

REVENUE EXPENDITURE.

22. The final sanctioned grants amounted in the aggregate to Rs. 1,56,67,864 as follows:—

	Rs.
Budget grants	1,39,92,330
Lapsed grants	8,69,495
Additional Grants	8,71,039
Total ...	1,57,32,864
Savings as per Revised Estimate	65,000
Final sanctioned grants	1,56,67,864

23. The principal items above Rs. 10,000 making up the additional grants of Rs. 8,71,039 are as under:—

	Rs.	a.	p.
(1) To supplement the provision already made in the Budget for the year 1917-1918 for renewing the roof over Malabar Hill Filters...	22,117	0	0
(2) To meet the cost of lowering and protecting water connections laid above ground	15,000	0	0
(3) To meet an anticipated excess over the Budget grant for the year 1916-17 for road watering	16,500	0	0
(4) To meet the cost of acquiring land at Ghatkopar and of building thereon the Inspector's quarters, office, workshops, etc	14,663	0	0
(5) To meet the maintenance, &c., charges of two motor lorries purchased for the Markets	10,000	0	0
(6) To meet payment to Government of two instalments of Rs. 25,000 each, of the supplementary contribution of Rs. 1,00,000 promised by the Corporation towards the building proposed to be erected at Apollo Bunder in commemoration of the landing of Their Majesties in India	50,000	0	0
(7) To meet the payment of grain compensation allowance	2,14,038	0	0
(8) To supplement the grant for sundry pensions, gratuities, &c., for the year 1917-18...	18,000	0	0

		Rs.	a.	p.
(9)	To meet the cost of purchasing two motor lorries urgently required for the removal of refuse from A Ward	27,000	0	0
(10)	To meet an anticipated excess over the Budget grant for commission, &c., charges to be paid to the G. I. P. Railway for the collection of Town Duties.	27,000	0	0
(11)	To meet the cost of purchasing a motor lorry urgently required for the removal of City refuse	17,001	0	0
(12)	To meet the cost of purchasing two Sentinel steam tipping wagons required for the use of the Road Department	35,000	0	0
(13)	To meet the cost of purchase of 18 pairs of bullocks and hire of labour carts and motor lorries for the Market Department	11,367	0	0
(14)	To meet charges incurred in excess of Budget grants for the year 1916-17 by different departments of the Municipality or inadvertently omitted by them from the lists of lapsed grants proposed to be renewed in the year 1917-18	46,132	2	0
(15)	For transfer to the Municipal Lands and Buildings Fund of the amount of moneys received on account of sale of land other than set-forward land during the year 1916-17	41,398	13	7
(16)	For adding to the Street Improvement grant for the current year the amount of moneys received during the year 1916-17 on account of sale of set-forward land and enhanced values recovered from house-owners for permission to build within the regular line of the streets	25,146	12	1
(17)	To adjust the payment of Law charges in connection with the suit filed by the Municipality against the G. I. P. Railway Company in connection with the lines laid across the Sewri-Koliwada Road	23,155	3	7
(18)	For payment of a temporary war allowance to the employés of the Schools Committee's Establishment for the year 1917-18	34,000	0	0
(19)	To meet payment as a War measure of a temporary Special allowance of Rs. 10 per mensem to all Municipal employés in the indoor and outdoor establishments earning salaries ranging from Rs. 30 to Rs. 200 per mensem...	72,400	0	0
(20)	To supplement the Budget provision for the payment of pensions, gratuities, &c.	14,000	0	0
(21)	To supplement the Budget provision under the following sub-heads of Public Health Department:—			
	X. Dispensaries ... ... Rs. 3,000			
	XII. Infectious Diseases ... ... „ 3,000			
	XV. Plague ... ... „ 16,500	22,500	0	0
(22)	To supplement the Budget provision under Public Health Department, II Conservancy Branch, 3 Labour, 8 Working of steam tip wagons, coal, stores, contingencies, &c.	12,000	0	0
	Rs.	7,65,418	15	3

24. The transfers made from one Budget head to another without in any way affecting the total Budget provision for the year amounted to Rs. 3,36,869.

25. The total expenditure actually incurred against the aggregate final sanctioned grant, the amount of unexpended balance renewed and the net savings are shown below:—

Final sanctioned grant.	Expenditure.	Balance.	Amount to be renewed.	Net saving.	Percentage of savings on the final sanctioned grant *minus* renewals.	Similar percentage of savings in 1916-17.
Rs.	Rs.	Rs.	Rs.	Rs.		
1,56,67,864	1,42,61,391	14,06,473	11,17,198	2,89,275	1·99	1·40

26. The following figures show the percentage of savings to sanctioned grants for the last 5 years making no allowance for renewals:—

Year.	Final sanctioned grants after deducting savings taken credit for in the Revised Estimates.	Unappropriated net savings.	Percentage.
	Rs.	Rs.	
1913-14	1,33,19,020	2,61,862	1·96
1914-15	1,36,60,686	1,42,185	1·04
1915-16	1,41,19,265	3,16,634	2·24
1916-17	1,52,86,047	2,02,260	1·32
1917-18	1,56,67,864	2,89,275	1·85

The savings for 1917-18 include Rs. 66,401 being grants for the purchase of motor wagons but as their cost was debited to a special asset head "Plant and Machinery," the grants remained unutilized. The savings also include Rs. 2,885 for the purchase of small appliances for the Fire Brigade which could not be utilized owing to the impossibility of obtaining goods from Home on account of the war. After making allowance for these special savings, the percentage of unappropriated savings works out to 1·40 against ·64 in the preceding year.

27. I sub-join figures showing the results in regard to total savings for each year from 1913-14 to 1917-18.

——	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
	Rs.	Rs.	Rs.	Rs.	Rs.
Savings as estimated in the Revised Estimates	2,38,150	4,33,500	85,600	2,41,244	65,000
Further savings accrued in final accounts	2,61,862	1,42,185	3,16,634	2,02,260	2,89,275
Total Rs. ...	5,00,012	5,75,685	4,02,234	4,43,504	3,54,275

28. The following statement will be interesting as comparing the gross grants sanctioned from 1913-14 and the lapses year by year :—

——	Gross grants sanctioned.	Savings on Revised Estimates.	Expenditure booked against gross grants.	Lapses on gross grants sanctioned.
	Rs.	Rs.	Rs.	Rs.
1913-14 ...	1,35,57,170	2,38,150	1,20,48,926	15,08,244
1914-15 ...	1,40,94,185	4,33,500	1,24,53,191	16,40,994
1915-16 ...	1,42,04,865	85,600	1,28,03,870	14,00,995
1916-17 ...	1,55,27,291	2,41,244	1,42,14,292	13,12,999
1917-18 ...	1,57,32,864	65,000	1,42,61,391	14,06,473

The total lapsed grants required to be renewed in 1918-19 aggregate Rs. 11,17,198 against Rs. 8,69,495 in 1917-18. This increase of Rs. 2,47,703 is mainly attributable to the non-payment of interest and principal due on loans and lapses in the grants obtained for "New Works."

29. The following statement gives the percentage of lapsed grants to total grants sanctioned under the more important heads and departments: -

Percentage of renewals to total sanctioned grants.	Departments and Service heads.	Total Renewals.
		Rs.
5·86	General Superintendence	22,013
4·20	Assessment and Collection Department	23,916
16·14	Fire Brigade	44,064
28·75	Public Gardens	35,794
7·18	Public Works	2,43,507
52·81	New Works	2,51,168
3·56	Public Health	97,564
8·46	Debt	3,87,305

Comparison between the actual expenditure during 1916-17 *and* 1917-18.

30. The Revenue Expenditure of the year under report as compared with the preceding year shows increases aggregating Rs. 8,66,332 under certain heads and decreases aggregating Rs. 8,19,233 under others, leaving a small net increase of Rs. 47,099.

31. Of the decrease of Rs. 8,19,233 the following items were special to the year 1916-17 :—

(1) Discount for the conversion of 3 and 3½ per cent. Government Paper into 4 per cent. Loan		Rs. 1,20,312
(2) Grant for the creation of Lands and Buildings Fund	Rs. 2,98,135	
Less—		
Sale proceeds of land realized in 1916-17 and transferred in 1917-18 by a grant.	„ 41,399	
		„ 2,56,736
		Rs. 3,77,048

There were some small decreases due to reduction of staff and allowances and the following noticeable decreases in—

(1) Roads and Footpaths	Rs. 78,161
(2) Infectious Diseases	„ 18,404
(3) Local Allowances	„ 11,199
(4) Increases to staff	„ 15,952
(5) Interest payments	„ 1,59,225
(6) Payment towards reduction of debt ...	„ 70,420
	Rs. 3,53,361

In the case of "Interest" and "Reduction of Debt" as well as certain other heads where minor decreases occur, the decreases are more apparent than real and go to swell the sum total of the grants to be renewed for expenditure in 1918-19.

32. The increases are dealt with in the succeeding paras:—

A.—*General Superintendence.*—The net increase of Rs. 11,118 is due to increased rates granted to the Printing contractors in consequence of the war, and to the cost incurred in the Privy Council appeal regarding the lines laid by the G. I. P. Railway across Sewri-Koliwada Street.

B.—*Assessment and Collection Department.*—The increase of Rs. 40,128 was mainly due to heavier commission paid to the G. I. P. and B. B. & C. I. Railways owing to increased Town Duty collections.

C.—*Fire Brigade.*—The increase of Rs. 29,614 is due to payment made in 1917-18 for hose and miscellaneous appliances purchased in the previous years. There were also increases under Establishment, Stores and Clothing.

D.—*Public Works (Engineer's) Department.*—The increase of Rs. 9,879 under A Sanitary Disposal of Town Sweepings was due to the running of an extra refuse train during the monsoon and for some time thereafter.

The net increase of Rs. 30,358 in the Streets and Buildings Branch is arrived at as follows:—

	Increase. Rs.	Decrease. Rs.	Remarks.
A. Inspection and Supervision ...	.....	14,040	Due to the abolition of the posts of Plan Inspectors and other reductions in staff.
B. Public Lighting	20,064	.....	Due to putting up a number of new gas lamps during the year and to consequent increase in gas charges also.
C. Road Watering	29,233	.....	Due to more frequent watering and the increasing number and width of streets.
C-I. Oiling and Tarring Roads ...	44,703	.....	Due to more extensive tarring operations.
D. Maintenance of Roads and Footpaths	.....	78,161	Due to a decrease of Rs. 78,000 under ordinary repairs resulting from (1) a transfer of Rs. 22,000 to supplement the tarring grant and (2) a reduction in the available renewed grant. This decrease is in reality reduced to Rs. 35,000 as an additional grant of Rs. 43,000 was obtained in 1918-19 to meet charges incurred in 1917-18 on ordinary road repairs. There were also decreases, under Tools and Plant, Repairs and taxes, and planting new trees, which were counterbalanced by increases under extraordinary Road Repairs, Paving Footpaths, and layingout and maintaining the new Malabar Hill Garden.
E. Street Improvements		28,377	More set-back claims were required to be paid counterbalancing the decrease occurring under metalling portions of ground added to roads.

E. The increase of Rs. 6,120 under Cleaning, Lighting and Repairing Port Trust Wharves Roads is due to enhanced payment to the Trustees on account of replacement of gas lamps maintained by the Municipality by electric lighting paid for by the Trustees.

F. The increase of Rs. 72,615 under Water Works is mainly due to the replacement of the existing teak roof over the Malabar Hill Reservoir by a new cement concrete roof. There were decreases under Establishment due to reduction of staff, and under "meters and their spare parts" on account of difficulty in importing, but these were counterbalanced by increases under materials, ordinary and extraordinary repairs, minor and unforeseen charges, clothing and increased cost of stores and labour.

G.—*New Works.*—The reason for increase of Rs. 20,743 is apparent.

H.—*Public Health Department.*—There were increases aggregating Rs. 45,395 and decreases amounting to Rs. 24,215 under this head, the net increase being Rs. 21,180.

The principal variations are explained below :—

I. General Supervision.—There was a total increase of Rs. 11,918 under this head, due to increased establishment and printing charges.

II. Conservancy Branch.—There was a net increase of only Rs. 864 but it was made up of substantial variations in many items of which the principal are as under :—

	Increase.	Decrease.	Reasons.
	Rs.	Rs.	
(1) Superintendence ...	2,113	.....	Due to acting arrangements.
(3) Labour—			
(a) Scavengering establishment	.....	9,978	Due to absentees among the labour staff.
Feed of Bullocks	15,527	.....	Due to higher rates of articles of feed.
(b) Working of steam and petrol wagons	19,419	.....	Due to (1) the higher cost of repairs on account of increasing age of the existing motors, (2) the rise in the price of coal and (3) the maintenance charges for three additional motors purchased about the end of the year
(c) Gully Flushing	521	.....	Due to the higher cost of coal, hose and of repairs to engines and hydrants.
(4) Disposal of Town Sweepings	.....	1,050	Due to reduction in haulage charges for the transport of refuse from Colaba Loading Siding to Mahaluxmi.
(5) Repairs	.....	4,419	Due to charges incurred not having been booked and to works being in progress or about to be undertaken.
(6) Stores	.....	1,890	Due to stores consumed not having been adjusted for want of funds.
(7) New stock	.....	18,421	Due to the purchase of new motor refuse wagon not having been charged against this grant but against a special asset head.
(8) Rent	.....	2,105	Due to the special payment to Government in 1916-17 of the arrears of ground rent for the Chembur skinning ground on the renewal of the lease thereof.
(10) Water supply	1,546	.....	Due to extra water consumed in the labourers' chawls.
(12) Halalkhore Branch—			
(b) Labour	.....	6,589	Due to a reduction in ordinary and special halalkhores.
(c) Repairs	10,084	.....	Due to the reconstruction of the latrines at Sewri-Koliwada.

Markets and Slaughter Houses.—There was an increase of Rs. 16,955 due to (1) heavy cartage charges for the conveyance of the greatly increased quantity of meat required by the Military, (2) the maintenance throughout the year of the new motor lorry purchased in 1916-17, and (3) purchase of 36 pairs of bullocks to increase the strength and to replace casualties, against 24 pairs purchased in the previous year.

Registration of Births and Deaths.—The increase of Rs. 4,019 under this head was principally due (1) to acting arrangements of the staff and (2) to the increase in the price of clothing, diets and medicines consumed in the Maternity Home, and additional nursing service therein.

Dhobiwada.—The increase of Rs. 1,235 is due to increased water supply.

Milch Cattle Stables.—The decrease of Rs. 1,099 is due to the closing of the Agripada Stable.

Dispensaries.—The increase of Rs. 1,642 is due to the increased cost of drugs, &c.

Infectious Diseases.—The decrease of Rs. 18,404 was due to the heavy expenditure incurred in 1916-17 in connection with the cholera epidemic in the monsoon months and the prevalence of small-pox and of foot and mouth disease among cattle.

Plague.—There was an increase of Rs. 2,202 due to (1) increase in the cost of drugs, diets, and clothing required for the Maratha Hospital and the extra repairs required thereto and (2) to increased expenditure under General Supervision and on rat destruction.

Malaria.—The increase of Rs. 2,260 is due to increase in the establishment, printing charges and in the cost of disinfectants.

I. Education.—There was an increase of Rs. 1,39,722 owing to an increase of Rs. 1,34,000 in the yearly contribution for Primary Education, an increase of Rs. 1,636 in the Schools Committee's establishment and a contribution of Rs. 2,500 to the American Mission School for the Blind.

J. Miscellaneous.—There were increases aggregating Rs. 3,42,301 and decreases amounting to Rs. 40,850, or a net increase of Rs. 3,01,451. The principal decreases have already been explained, while the appearance this year of items like Grain Compensation, War Allowance, the Contribution towards the Apollo Bunder Memorial, etc., call for no remarks. The increase of Rs. 29,379 under Pensions was due to the retirement of superannuated officers and to the payment of compassionate allowance to the heirs of the late Mr. Hewett.

33. On a comparison of the expenditure for the two years 1916-17 and 1917-18, I estimate that the net result of the year's transactions has been to add to our recurring liabilities practically 3 lakhs per annum, thus :—

		Increase Rs.
(1)	Fire Brigade	7,000
(2)	Public Works (Engineer's) Department—	
	(i) Mechanical Branch ... ... Rs. 13,000	
	(ii) Sanitary—Disposal of Town Sweepings ... ... „ 5,000	
	(iii) Streets and Buildings ... ... „ 1,00,000	
	(iv) Cleaning, Lighting and Repairing Port Trust Wharves Roads „ 4,000	
		1,22,000
(3)	Public Health Department	21,000
(4)	Education (Contribution to Primary Education and Maintenance of the Schools Committee's Establishment) ...	1,39,000
(5)	Pensions	11,000
	Total Rs. ...	3,00,000

I have not taken into consideration any reduction in expenditure due to the reduction of staff or the revision of salaries effected in 1917-18, as the revision of the schedules is not yet complete and although the present special charges for Grain Compensation and War Allowance, &c., are of a transitory character, the scale of prices of food-stuffs and other necessities of life is not likely to attain the pre-war level even after the cessation of hostilities and the reductions now being effected in some directions are quite likely to be more than counterbalanced by the permanently increased rates of wages which seem called for if we are to have a contented staff.

I thus conclude that the result of the year's transactions may be summed up as indicating a permanent increase in our expenditure of Rs. 3,00,000, against an increase of Rs. 6,80,000 (*vide* para. 19) in our permanent income. We cannot expect this balance in favour of income to continue at our present rates of taxation for we are faced with the certainty of a rise in the unit of cost in all services and with the certainty of having to raise large loans for the augmentation and purification of our water supply, for the improvement of traffic communications, for accommodation for the labour staff, for important Drainage Schemes, and for Hospitals, Schools, Markets, and Slaughter Houses. Our liabilities also for efficiently maintaining and lighting our ever-increasing road area, with the increasing cost of materials, the increasing demand for improved sanitation, the need for the protection of child-life, and the expansion of Primary Education are all factors that indicate that we cannot hope to maintain taxation at its present comparatively low level.

SURPLUS CASH BALANCE.

34. The unhypothecated Surplus Cash Balance (excluding the minimum balance of Rs. 1,00,000 required by law, Rs. 11,52,687-2-5 reserved for payment to the City Improvement Trust on account of contribution from revenue and Rs. 6,98,303-12-7 being the amount of Stores in hand) stood at Rs. 40,26,591-3-4 against Rs. 39,90,911-3-2 at the close of 1916-17, showing an increase of Rs. 35,680-0-2, made up thus:—

					Rs.	a.	p.
	Excess of income over expenditure				5,67,995	4	11
Less—							
	Increase in lapsed grants	Rs.	2,47,703	3 6			
	Increase in contribution reserved for payment to the City Improvement Trust	„	54,574	4 2			
	Increase in balance of Reserve Stock .	„	1,63,036	13 1			
	Purchase of Plant and Machinery ...	„	67,001	0 0			
					5,32,315	4	9
	Net Increase				Rs. 35,680	0	2

35. The original estimate of Surplus Cash Balance at the close of the year excluding the minimum balance of Rs. 1 lakh required by law and Rs. 10,90,000 reserved from Revenue for payment to the City Improvement Trust was Rs. 35,04,077. The actual Surplus Cash Balance of Rs. 40,26,591 was thus in advance by Rs. 5,22,514. It also exceeded the figures of the revised estimate of Rs. 37,73,762 (Rs. 49,71,875-0-0—Rs. 10,98,113 *plus* Rs. 1,00,000) by Rs. 2,52,829, thus :—

		Rs.		
(1)	Extra income realizations (para. 17) ...	1,59,387		
(2)	Savings in expenditure (para. 25) ...	2,89,275		
(3)	Difference in favour of 1917-18 as compared with 1916-17 in the renewed grants actually required in 1916-17 and those provided in the revised estimate for 1917-18 (Rs. 8,69,495—Rs. 7,20,000)	1,49,495		
			Rs.	5,98,157
Less—				
	Increase in value of Reserve Stock ...	1,63,037		
	Increase on amount reserved for additional grants	60,716		
	Increase in the amount reserved for payment to the City Improvement Trust...	54,574		
	Purchase of Plant and Machinery ...	67,001		
			„	3,45,328
			Difference Rs.	2,52,829

36. I would draw particular attention in this report, as I have from time to time done during the year, to the increasing demands being made on our Surplus Cash Balance Reserve of Rs. 40,26,591.

Grants have already been made this year for revenue purposes to the extent of Rs. 8,02,692 including a grant of Rs. 6,52,670 for depreciation in the value of 3½ per cent. Government Paper and the Standing Committee have further recommended grants aggregating Rs. 1,19,957 principally to supplement the feed grants of the Markets Department.

Additional grants of Rs. 1,44,159, Rs. 43,222 and Rs. 7,320 or Rs. 1,94,701 in all, are also required to be made for (1) excesses over the Budget grants for 1917-18, (2) supplementing the Street Improvement grant by the amounts realized in 1917-18 by the sale of set-forward land and by the amounts recovered for permission to build within set-back lines, and (3) for transferring to the Lands and Buildings Fund the sale proceeds of Municipal land other than set-forward land obtained in 1917-18. Heavy increases in the feed grants of the Health Department, the Cartage grants of the Road and Drainage Departments, and the Road Watering and Road Repairs grants in consequence of greatly increased contract rates, and the absolute necessity of increasing the wages of the menial and inferior staff will, it is estimated, entrench on this balance further to the extent of Rs. 4,00,000. The additional grants already sanctioned or known up-to-date to be required for this year have thus mounted up to Rs. 15,00,000. Against this, a sum of Rs. 6,00,000 is likely to be recovered from the Port Trust for arrears of General Tax reducing the net liability to Rs. 9,00,000 and bringing the Surplus Cash Balance down to say Rs. 31,26,000. A reference to Appendix No. 5 will show that we have already advanced from this Surplus Rs. 9,48,166 for expenditure on Loan Works, Rs. 2,40,662 as Miscellaneous Advances, and Rs. 30,977 to the Chief Auditors, B. B. & C. I. and G. I. P. Railways, mainly for the construction of 10 new refuse wagons. These aggregate Rs. 12,19,805, and, until a loan can be raised, form a first charge against our Surplus Cash Balance, which is thus reduced, even without taking into account any further additional Revenue grants in 1918-19 to say Rs. 19,06,000.

The major portion of this balance, as I have often pointed out, is held in 3½ per cent. Government Paper valued in our books at Rs. 13,59,000. The available Surplus Balance is thus reduced to Rs. 5,47,000. Against this, the additional grants sanctioned for Loan Works and the grants made available in the Budgets for 1917-18 and 1918-19 aggregate Rs. 19,00,000, while the outstanding liabilities for street improvement are about Rs. 6,00,000 and the acquisition of properties for the Church Gate Street and Parbhadevi Road Schemes on the latest available information will cost Rs. 6,25,000 up to October with a problematical recovery of Rs. 10,00,000 in that month.

The Government of India having sanctioned the raising of a Loan of 30 lakhs we can now proceed to re-arrange our finances.

LOANS RAISED.

37. The total Loans raised from the Public and the amounts spent therefrom are shown below :—

Total Loans raised			Rs. 7,15,00,500-0-0
Less—			
Works executed (Appendix No. 7)—			
(*a*) Loan allotments (Col. 12). ...	Rs. 6,48,77,420-8-11		
(*b*) Savings on different Loans (Col. 12)	„ 33,66,334-7-6		
(*c*) Advances from Loan Funds (Col. 14)	„ 23,09,799-9-10		
		Rs.	7,05,53,554-10-8
		Rs.	9,46,945-5-9
Add—			
Value of old corrugated sheets of the Old Municipal Workshops at Palton Road used in the New Workshops		„	5,312-0-0
		Rs.	9,52,257-5-9

In addition to this Rs. 9,48,166-3-5 has been spent upto 31st March 1918, on Loan Works by way of advances from Surplus Cash Balance, as per details in Appendix No. 14.

No loan was raised in the year under review. Of the loan of Rs. 40 lakhs arranged in 1915-16, with the Bank of Bombay as stated in para. 38 of my report for that year, the first seven instalments aggregating Rs. 29½ lakhs including one due on 30th June 1918 were paid off on due date and the remaining four instalments from the 8th to the 11th are payable as under :—

8th instalment	on	30th September 1918	...	Rs. 3,75,000
9th	do.	31st December 1918	...	„ 3,00,000
10th	do.	31st March 1919 ...	...	„ 2,75,000
11th	do.	1st May 1919 ...	...	„ 1,00,000

This scheme of floating our Loan has been quite successful, as we got the money from the Bank originally at a very reasonable rate of interest, three-fourths of which has already been paid off, and of the 4 per cent. debentures redeemed from the Bank by the repayments made, all but a small portion have already been utilized for our Sinking Fund Investments and the balance together with the debentures still to be redeemed will all be absorbed in the Sinking Funds by 1st May next.

DEBT AND SINKING FUNDS.

38. The following statement summarizes the state of the Debt during the year:—

——	Due to Government.	Due to Public.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Balance at 1st April 1917 ...	21,65,494 7 9	7,20,71,500 0 0	7,42,36,994 7 9
Add—			
Loans raised	.....	.....	.....
	21,65,494 7 9	7,20,71,500 0 0	7,42,36,994 7 9
Less—			
Repayment in 1917-18	27,860 14 0	65,500 0 0	93,360 14 0
Balance at 31st March 1918 ...	21,37,633 9 9	7,20,06,000 0 0	7,41,43,633 9 9
Less—			
Outstanding Debentures of the Drainage Loan of 1878 redeemable on or prior to 1st January 1918, covered by renewed grant	.....	1,10,500 0 0	1,10,500 0 0
Outstanding Debt at 31st March 1918	21,37,633 9 9	7,18,95,500 0 0	7,40,33,133 9 9
Less—			
Amount of Invested Sinking Fund at 31st March 1918 ...	.....	1,97,26,287 2 5	1,97,26,287 2 5
Net Outstanding Debt	21,37,633 9 9	5,21,69,212 13 7	5,43,06,846 7 4

39. The following statement shows the interest due and paid on the Municipal Debentures held by the Public :—

	Rs.	a.	p.
Outstanding interest at 1st April 1917	1,88,842	7	1
Interest payable during 1917-18	31,74,375	0	0
Total interest payable ...	33,63,217	7	1
Less—			
Amount disbursed by the Bank during 1917-18 ...	30,83,564	13	0
Balance ...	2,79,652	10	1
Less—			
Amount of savings due to repayment of the instalments of the Bank's 40 lakhs Loan earlier than the due dates on account of Bank Holidays	1,207	10	4
Outstanding interest covered by renewed grant ... Rs.	2,78,444	15	9

The outstanding represents 8·28 of the total interest payable against 5·5 in 1916-17.

40. From Appendix No. 10 it will be seen that allowing for interest due but not collected, the invested balance of the Sinking Funds on 31st March 1918, amounted to Rs. 2,00,04,889-4-0 and was Rs. 17,992-4-0 in excess of what should have accumulated for the purpose for which the funds have been created.

The sub-joined statement shows the various kinds of paper with the amounts held in the Sinking Fund at 31st March 1918:—

Name of Sinking Fund.	5 per cent. Municipal Debentures.	4 per cent. Municipal Debentures.	4 per cent. Bombay Port Trust Debentures.	4 per cent. Bombay Improvement Trust Debentures.	4 per cent. Government Paper of the Conversion Loan of 1916.	5½ per cent. Indian War Bonds, 1920.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
5 per cent. Municipal Loans Sinking Fund ...	36,60,500	4,47,000	.....	23,30,500	24,00,000	.....	88,38,000
4 per cent. Municipal Loans Sinking Fund 3½ per cent. basis ...	.....	39,66,000	5,53,000	5,39,000	.....	12,18,600	82,76,600
4 per cent. Municipal Loans Sinking Fund 3 per cent. basis ...	.....	22,54,000	.....	.....	.....	.....	22,54,000
3½ per cent. Municipal Loans Sinking Fund	.....	.....	.....	3,60,000	.....	.....	3,60,000
Face Value ...	36,60,500	86,67,000	5,53,000	32,29,500	24,00,000	12,18,600	1,97,28,600

41. As stated in para. 43 of my last report, during the year under report a re-arrangement of the paper held in Sinking Funds, Worn-out Water Mains Renewal Fund, the Fire and Accident Assurance Fund, the Net Premia Fund, the Lands and Buildings Fund and our Surplus Cash Investments Fund has resulted in the Sinking Fund holding of 3½ per cent. Government Paper being substituted by 5½ per cent. Government War Bonds.

A scheme has also been evolved whereby no demand will be made for a long series of years on any of the Municipal, Port Trust, or G. I. Trust Debentures and the question of depreciation on these bonds does not therefore arise. The 5½ per cent. War Bonds held in the Sinking Fund have been ear-marked for repayment of the Plague Loan of 20 lakhs which becomes due in the same year as the War Bonds are payable, *viz.*, 1920.

The Investments of the Net Premia Fund at 31st March stood at Rs. 2,78,200 (Market value Rs. 1,86,400) which is quite enough to meet all contingencies.

EXPENDITURE ON LOAN WORKS.

Appendices Nos. 8 and 14.

42. The sub-joined statement shows the figures of the Revised Estimates and the Actuals under the Major Heads and shows that in some cases the actuals were far short of the Estimates:—

	FROM LOAN FUNDS.		ADVANCES FROM SURPLUS CASH BALANCE.	
	Revised Estimates.	Expenditure.	Revised Estimates.	Expenditure.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A. Buildings and Sanitary Structures.	3,86,200 0 0	1,91,186 12 4	20,000 0 0	19,872 0 0
B. Roads and Overbridges ...	11,68,800 0 0	6,03,732 0 9	4,74,500 0 0	1,73,676 6 6
C. Drainage	6,51,000 0 0	4,70,903 9 9	2,65,000 0 0	1,12,596 5 0
D. Water Works	*Cr.* 13,800 0 0	*Cr.* 24,889 12 7	94,600 0 0	18,365 10 1
E. Cemeteries	10,269 10 7	9,269 10 7	50,890 0 0	10,175 4 2
F. Disposal of Town Sweepings...	.....	.....	30,010 0 0	.....
G. Miscellaneous	1,000 0 0	1,010 0 0	.....	.....
Total	22,03,469 10 7	12,51,212 4 10	9,35,000 0 0	3,34,585 9 9

43. The total excess incurred on individual works carried out from Loan Works over the Revised Estimates amounted to Rs. 90,367-10-1 and the total lapses amounted to Rs. 10,37,312-15-10. The net amount lapsed, therefore, amounted to Rs. 9,46,945-5-9 and the principal works on which lapses exceeding Rs. 10,000 occurred were :—

	Rs.	Rs.
A. *Buildings, Lands, &c.*—		
Construction of Buildings for Primary Schools in the City	50,127	
Construction of Chawls for Health Department Bigaries at Palton Road...	27,958	
Construction of Chawls for Health Department Bigaries at Dadar, F. Ward	43,757	
Construction of Semi-permanent Huts for Halal-khores at Tardeo Flats	21,618	
Extending and improving the Arther Crawford Markets at Hornby Road	30,590	
		1,74,050
B. *Roads and Overbridges*—		
Overbridge at Elphinstone Road, B. B. & C. I. and G. I. P. Railways	40,000	
Street Improvements in different places	1,28,722	
Construction of Dadar-Kumbharwada Road ...	1,37,000	
Construction of New Straight Road at Parbha-devi	1,70,000	
Widening and extending Nesbit Road	77,814	
Widening of Worli Road from its junction with Haines and Fergusson Roads to the Worli Channel	52,432	
Lowering a portion of Musjid Bunder Road ...	23,929	
		6,29,897
C. *Drainage*—		
Providing new pattern storm-water entrances with gratings and frames	20,248	
Laying a stoneware pipe sewer in a passage known as Saitan Chowky near Khed Tank	22,534	
Providing a pipe sewer in a portion of Mahim District	40,277	
Additions to and enlargement of existing sewers in connection with the duplication of Tansa Main..	30,083	
Providing a storm-water drain in Currey Road ...	16,335	
Providing a storm-water drain in Parel Road from Chinchpokli to Connaught Road ...	23,865	
Providing a storm-water drain in Kalachowki Road.	14,916	
		1,68,258

The total lapses over the Revised Estimates incurred on individual works carried out out of advances from Surplus Cash Balance amounted to Rs. 6,00,414-6-3 and the principal works on which lapses occurred were :—

	Rs.	a.	p.
Widening and reconstructing Mahim Bazar Road... ...	36,826	0	0
Widening of Church Gate Street and Armenian Lane ...	2,13,997	0	0
Paving Frere Road	50,000	0	0
New Drainage Outfall at Love Grove	1,48,623	0	0
Tansa Reduplicalion and Auxiliary Works Distributing Mains in the City	18,802	0	0
Laying 5" water mains between Jeejeebhoy Lane and Lal-baug (portion of City Improvement Trust Scheme No. 31).	14,300	0	0
Laying 9" and 5" mains between Kingsway and the G. I. P. Railway Dadar Station	43,772	0	0
Filling in the Roman Catholic Cemetery at Haines Road..	40,714	0	0
Construction of 10 new cutchra wagons for Health Depart-ment...	30,010	0	0*

PLAGUE EXPENDITURE.

44. The charges incurred as compared with the preceding year and the reasons for increase have been shown in paras. 15 and 33.

* This amount has been advanced to the B. B. & C. I. Railway, for carrying out the works in their Shops.

The total expenditure incurred on Plague from the commencement of plague operations to the close of the year under report aggregated Rs. 83,59,557 and was financed as under :—

		Rs.
(1)	From the 20 Lakhs Plague Loan	20,00,000
(2)	From the Government contribution	14,50,000
(3)	Amount recovered from the City Improvement Trust under Section 79 (3) *b* (i) and (ii) of their Act IV of 1898 and transferred to meet the liability incurred out of Loan Funds	16,00,000
(4)	From Current Revenue	33,09,557
	Total Rs. ...	83,59,557

LIABILITIES AND ASSETS.

Appendices Nos. 5 and 6.

45. It will be seen that the gross revenue liabilities of the Corporation stood at Rs. 54,83,985-3-11, the assets being Rs. 1,03,75,881-3-10. The difference of Rs. 48,91,895-15-11 represents the Surplus Revenue Fund as shown in Appendix No. 3.

46. The following is a summary of the Revenue Assets :—

		Rs.	a.	p.
(1)	Cash Balance in Office and Bank Treasuries ...	5,75,272	11	10
(2)	Surplus Funds Deposits and Investments	57,31,030	9	3
(3)	Special Funds Investments	14,94,597	1	11
(4)	Paper Deposits with Bank of Bombay lodged by Contractors or presented for the maintenance of public monuments	3,84,900	0	0
(5)	Advances recoverable	14,01,649	14	2
(6)	Reserve Stock	6,98,303	12	7
(7)	Plant and Machinery	67,001	0	0
(8)	Stores sold but not adjusted	23,126	2	1
	Total Rs. ...	1,03,75,881	3	10

47. The gross Capital liabilities of the Corporation stood at Rs. 7,58,58,922-15-8 at the close of the year under report, and the assets at Rs. 10,81,82,700-13-5, resulting in a surplus of Rs. 3,23,23,777-13-9 the details of which are shown in Appendix No. 6.

The following are the Capital assets of the Corporation :—

		Rs.	a.	p.
(1)	Block Account	8,57,88,866	15	4
(2)	Debt due by the City Improvement Trust for lands transferred to them	17,15,289	5	11
(3)	Sinking Fund Investments	1,97,26,287	2	5
(4)	Loan Funds Investments	9,52,257	5	9
	Total Rs. ...	10,81,82,700	13	5

INVESTMENTS AND INVESTED BALANCES.

48. In the original Budget estimates a sum of Rs. 2,50,250 was estimated to be derived from interest on investments of Surplus Loan and other Balances. It was increased to Rs. 2,60,000 in the Revised Estimates. The actual realizations, however, amounted to Rs. 2,40,172 on account of investments made in the latter part of the year in Government Treasury Bills which matured in the current official year.

This income of Rs. 2,40,172 was derived from the following sources :—

		Rs.
(1)	On Current Account Deposits at 2 per cent. and 2½ per cent...	10,260
(2)	On Fixed Deposits	1,27,713
(3)	On Investments in Government and other Securities ...	1,02,199
	Total Rs. ...	2,40,172

49. Inclusive of investments on account of Sinking, Insurance, Worn-out Main Renewals, Net Premia, and Lands and Buildings Funds, the total sum of investment and reinvestments arranged for by this Department during the year aggregated Rs. 2,23,81,500, as under :—

		Rs.
(1)	Current Account Deposits	35,00,000
(2)	Fixed Deposits	1,39,50,000
(3)	Government Treasury Bills	14,50,000
(4)	Sinking and Special Funds	34,81,500
	Total Rs. ...	2,23,81,500

The average rate of interest on Fixed Deposits was 5·09 per cent. against 4·59 per cent. in the preceding year. The rates realized for Fixed Deposits ranged from 2½ per cent. to 7 per cent. The maximum rate realized in the preceding year was also 7 per cent.

SPECIAL FUNDS.

Appendices Nos. 4 & 5.

50. The opening and closing balances to the credit of the different Reserve Funds, the additions made thereto and the withdrawals made therefrom during the year are shown in Appendix No. 4. The details of the different investments and the current market value are shown in Appendix No. 5A while Appendix No. 5 contains the total amount of Paper held in each fund and the Cash Balance to its credit in the Bank of Bombay.

WATER WORKS ACCOUNT.

Appendix No. 12.

Income and Expenditure Account.

51. The following statement shows the income and expenditure for the year as contrasted with the original estimates and the figures for the preceding year :—

	Budget Estimates, 1917-18.	Actuals for 1917-18.	Actuals for 1916-17.	Increase or decrease.	
				As compared with the Budget Estimates.	As compared with the previous year.
	(*a*)	(*b*)			(*c*)
Income	24,94,000	26,97,720-0-1	24,71,834	+2,03,720-0-1	+2,25,885-11-11
Expenditure	24,62,660	23,38,410-9-11	24,11,292	—1,24,249-6-1	(*d*) —72,881-4-1
Surplus	+31,340	3,59,309-6-2.			

(*a*) Excluding a hypothetical figure of Rs. 40,000 estimated for interest on invested balances.

(*b*) This does not and cannot include anything for interest on invested balances.

(*c*) Due to increased assessment of properties and increased consumption of water by trades, Railways and Port Trust.

(*d*) Decrease due to interest not having been claimed by some Debenture-holders.

52. As required by Corporation Resolution No. 6570 of 15th February 1912, a detailed statement of income realized for the year under report as compared with the preceding five years is attached to Appendix No. 12.

ASSETS AND LIABILITIES.

Appendix No. 13.

53. The liabilities at the beginning of the year stood at Rs. 3,24,95,145-6-9. They were reduced at the close of the year to Rs. 3,24,42,971-4-2, owing to the payment of Rs. 27,860-14-0 to Government towards the reduction of the Vehar Debt and of Rs. 24,313-4-7 towards the repayment of the Water Works portion of the Drainage Loan of 1878.

The assets aggregated Rs. 4,62,83,244-1-5 against Rs. 4,57,32,791-6-10 at the close of the previous year, showing an increase of Rs. 5,50,452-10-7, and was made up of (1) works executed out of different loans, (2) additions to the Sinking Fund Investments, (3) the inclusion of works met out of (*a*) the contribution from the G. I. P. Railway for removing and relaying the 32" Vehar main at Coorla and (*b*) the Worn-out Water Mains Renewal Fund and (4) the premia received on the 147 lakhs Tansa Water Works Loan.

From Appendix No. 13, it will be seen that the excess of assets over liabilities amounted to Rs. 58,84,492-5-10 after providing Rs. 71,20,486-4-11 for the Sinking Fund and Rs. 7,34,609-7-9 for Special Funds.

SUSPENSE ACCOUNT.

A.—Deposits.

54. The Cash Deposits outstanding at the close of the year aggregated Rs. 6,68,886-11-10 against Rs. 5,58,887-1-11 in the year 1916-1917, and were made up of:—

		Rs.	a.	p.
(1)	Cash Deposits from Contractors	1,51,028	0	7
(2)	Cash Deposits received through Departmental Officers	1,75,295	4	10
(3)	Other Cash Deposits	2,76,910	12	7
(4)	Deposits on account of works performed for private parties	67,652	9	10
	Rs.	6,68,886	11	10

B.—Inter-Departmental Charges.

1. *Workshops.*

55. The opening balance was Rs. 32,252-15-4 or Rs. 15,306-11-3 less than in the preceding year.

The cost of labour and supervision staff employed and of stores used on the works turned out in the Shops during the year amounted to Rs. 2,74,442-0-11 against Rs. 2,41,231-7-6 in the previous year. The total outlay in the Workshops during the year, together with the opening balance aggregated Rs. 3,06,695-0-3. The recoveries during the year amounted to Rs. 2,21,037-10-8 and the outstanding at the end of the year including incomplete jobs and value of stores issued in March 1918 aggregated Rs. 97,890-12-9.

The outstandings are made up of the following items:—

	Rs.	a.	p.
Stores issued in March 1918 and charged in the accounts for 1917-1918 under the system of stores accounts	4,409	7	8
Outstanding bills	87,240	15	4
Incomplete jobs	6,240	5	9
Rs.	97,890	12	9

56. By charging 25 per cent. on all jobs, the sum of Rs. 56,637-1-8 was obtained. Deducting there from the sum of Rs. 600 paid for the purchase of an air compressor plant and adding Rs. 15 realised by the sale of coal ashes, and Rs. 805-5-7 realised by the hire of

plant, &c., the gross earnings of the Shops aggregated Rs. 56,857-7-3, from which the following Shop and Supervision, &c., charges amounting to Rs. 44,624-0-1 had to be met :—

		Rs.	a.	p.
(1)	Supervising Establishment, Rent and Contingencies	22,432	1	0
(2)	Shop charges	22,191	15	1
	Rs.	44,624	0	1

The net profit of the Workshops was thus Rs. 12,233-7-2.

In arriving at this result no portion of the salary of the Deputy Executive Engineer, Mechanical Branch, no interest and Sinking Fund charges on capital, and no depreciation on buildings and machinery has been allowed for.

Other Works.

57. The outstanding balances on 31st March 1918, in respect of Departmental and Private Works executed by different branches of the Executive Engineer's Department (excluding Workshops) and the Health Department are contrasted below with those on 31st March 1917 :—

	Balance on 31st March 1917	Balance on 31st March 1918.	More.	Less.	Remarks.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
A.—Departmental Works.					
(1) Drainage ...	1,673 6 4	(*a*) 1,341 8 9	.....	431 13 7	(*a*) Out of this, Rs. 133-0-6 represents the value of stores issued in March 1918, and included in the accounts for 1917-18.
(2) Roads and Buildings Branch.	3,886 2 6	3,401 4 7	.....	184 13 11	
(3) Water Works Branch.	2,343 1 10	(*b*) 1,365 10 0	.....	977 7 10	(*b*) Out of this, Rs. 471-14 represents the value of stores issued in March 1918, and included in the accounts for 1917-18.
Rs. ...	7,902 10 8	6,008 7 4	...	1,894 3 4	
B.—Private Works. Drainage Branch. On account of Ordinary Works.	19,335 14 4	(*c*) 18,759 12 3	.....	576 2 1	(*c*) Out of this, Rs. 111 represents the value of stores issued in March 1918, and included in the accounts for 1917-18.
Roads and Buildings Branch.	15,600 15 0	15,663 12 11	62 13 11	.....	
Water Works Branch.	4,351 13 10	(*d*) 4,312 2 6	.....	39 11 4	(*d*) Out of this, Rs. 358-2-3 represents the value of stores issued in March 1918, and included in the accounts for 1917-18.
Health Department (Removing Chokes).	1,096 5 4	711 2 11	.....	385 2 5	
Total Rs. ...	40,385 0 6	39 446 14 7	62 13 11	1,000 15 10	

58. The outstandings in respect of Departmental Works are due to the fact that several bills had to be kept back on account of excesses over grants. These will be adjusted on funds becoming available. The outstandings in respect of Private Works, Roads and Buildings Branch are due to bills against the Bombay Electric Supply and Tramways Company, Limited, and those against the houseowners of private lanes not having been fully recovered before the close of the year. The outstandings in respect of Private Works, Drainage Branch, are due to bills against houseowners for providing drainage arrangements in private streets in the case of which no deposit can be recovered in advance.

Advances to Municipal Officers.

59. The outstandings on 31st March 1918 aggregated Rs. 36,066-14-11 against Rs. 47,218-9-8 on 31st March 1917. Rs. 6,120 represents the sums allotted to the different Heads of Departments as standing advances for contingent expenses. Rs. 4,000 is the sum advanced to meet legal costs in connection with an appeal to the Privy Council by Narma Brothers in regard to the acquisition of their land at Elphinstone Road Overbridge, Rs. 13,000 was advanced to the Health Officer of which Rs. 6,193 is for expenditure on the deportation of beggars and the balance was on account of Establishment, &c., charges, Rs. 3,000 is the sum advanced to meet legal charges in connection with an appeal to the Privy Council by Ratanlal Panalal about the acquisition of his property at Kalbadevi. The remaining balance is comprised of small items which call for no remarks.

Advances to Contractors.

60. The outstanding at the close of the year amounted to Rs. 1,376-12-6 against Rs. 144-12-5 at the end of 1916-17.

Miscellaneous.

61. Out of the outstandings of Rs. 2,40,662-2-10, the following are the principal items:—

	Rs.	a.	p.
(1) Acquisition of lands beyond the regular line of streets to be adjusted against the sale proceeds of the lands ...	2,08,423	14	11
(2) Laying pipe drains in house gullies	11,960	15	10
(3) Arbitration and other expenses in connection with the purchase of the Tramways	5,623	14	10
(4) Expenditure in the suit filed by the Tramways Company against the Municipality	4,410	5	7
(5) Cost of filling in the Framji Kavasji Tank to be subsequently adjusted against the sale proceeds of the reclaimed land	3,832	6	2

62. The amount of Items Nos. 1 and 5 will be adjusted when the land is sold. The adjustment of Item No. 2 has yet to be effected. As regards Items Nos. 3 and 4, the Municipal Solictors have been instructed to negotiate with the Tramway Company.

Advances from Surplus Cash Balance for New Works to be subsequently provided for under New Loans to be raised.

63. The total unadjusted expenditure upto 31st March 1918, which amounted to Rs. 9,48,166-3-5 will be found in Appendix No. 14.

Personal Account of the Chief Auditor and Accountant, B. B. & C. I. Railway.

64. A sum of Rs. 30,010 was advanced for constructing 10 new kutchra wagons for the Health Department. The wagons are under construction and the advance will be adjusted when the details of the actual cost are received from the Railway authorities.

Reserve Stock.

65. The receipts of General Stores during the year as per my books aggregated Rs. 9,30,203-9-11 and the issues Rs. 7,81,444-0-3, thus resulting in an increase of Rs. 1,48,759-9-8 in the balance of current stores. There was a reduction during the year in the balance of Surplus and Obsolete Stores from Rs. 3,182-8-0 to Rs. 3,085-4-0.

66. During the year 1917-18, the verification of stock was carried on by Mr. Simkins at the Central Stores, the Bellasis Bridge Pipe Depôt and a portion of the Municipal Workshops and a report on the results will be made to the Corporation in due course.

No outside verification of the stores under Line Suspense Account was done in 1917-18.

The printing of the exhaustive stores vocabulary suggested by me and compiled by Mr. Simkins is being completed.

67. The balances of the general, *i.e.*, current serviceable stores are compared below for the last five years:—

	Rs.	a.	p.
Balance at the close of 1913-14	3,01,349	3	6
Balance at the close of 1914-15	2,78,486	2	0
Balance at the close of 1915-16	2,54,806	1	11
Balance at the close of 1916-17	4,39,210	1	3
Balance at the close of 1917-18	5,87,969	10	11

68 The balance of Reserve Stock in hand at the close of the year as per the general books of this office amounted to Rs. 6,98,303-12-7 against Rs. 5,35,266-15-6 at the close of the preceding year, showing an increase of Rs. 1,63,036-13-1 as detailed below :—

DEPARTMENTS.	1916-1917.			1917-1918.			More.
	Serviceable Stores.	Surplus and Obsolete Stores.	Total.	Serviceable Stores.	Surplus and Obsolete Stores.	Total.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Stores Department.	4,39,210 1 3	3,182 8 0	4,42,392 9 3	(a)5,87,969 10 11	3,085 4 0	5,91,054 14 11	1,48,662 5 8
Wood Tools Imprest	[illegible]	[illegible]	[illegible]	4,918 11 4	.....	4,918 11 4	1,829 14 1
Vaccine Depot	[illegible]	[illegible]	610 8 0	933 6 0	.....	933 6 0	322 14 0
Line Suspense Account ...	89,175 1 0	.....	89,175 1 0	1,01,396 12 4	.....	1,01,396 12 4	12,221 11 4
Total ...	5,32,084 7 6	3,182 8 0	5,35,266 15 6	6,95,218 8 7	3,085 4 0	6,98,303 12 7	1,63,036 13 1

(a) The difference between this amount and that shown by the Storekeeper is Rs. 44,431-1-8 which is due to the non-adjustment of the value of stores issued to the Deputy Health Officers, the Deputy Executive Engineer Mechanical Branch, the Hydraulic Engineer, &c., on account of grants having been found insufficient and to some minor adjustments which will be made in the accounts for 1918-19

69. This large increase of Rs. 1,63,036-13-1 in the Store Balances in my books will be reduced in the current year by the sum of Rs. 44,431-1-8 referred to in the above note on account of stores consumed in the year under review, but not charged off in the accounts for want of balances in the grants concerned.

The remaining increase under Item No. 1 less the balance of Surplus and Obsolete Stores and under Items Nos. 2 and 3 is due to the much higher prices now requiring to be paid for all ordinary and special stores. The amount of Rs. 5,87,970 (Item No. 1) also contains certain special stores remaining unutilized out of those purchased for the Tansa Duplicating Works which have been retained as a reserve for use on emergencies like bursts, &c. The increase under Line Suspense Account is due to old water mains lying on the G. I. P. Railway premises without value, having now been brought on to the books.

STREET IMPROVEMENTS.

70. The amounts made available on account of acquisition of set-backs during the year were as under :—

	Rs.	a.	p.
Budget provision from Revenue	1,00,000	0	0
Renewed grant	40,950	11	10
Additional grant made by appropriating towards Street Improvements the sale proceeds of set-forward land and the enhanced values recovered for works permitted within the regular line of the street during 1916-17	25,146	12	1
Budget provision from Capital	1,48,000	0	0
Rs.	3,14,097	7	11

Against this sum only Rs. 1,80,622-15-3 were actually paid leaving a balance of Rs. 1,33,474-8-8 which has been renewed for expenditure during 1918-19.

After allowing for all ascertained time-barred claims, the undischarged commitments up to 30th July 1918 in regard to set-backs already acquired and sanctioned to be acquired amounted to Rs. 7,83,443 against which we have sanctioned funds aggregating Rs. 1,42,085 and a sum of Rs. 43,221-13-1 realized by the sale proceeds of set-forward lands and recoveries of "Enhanced values" during 1917-18 which will go to meet set-back payments.

The excess of liabilities over funds available thus amounts at date to Rs. 5,98,136. In the light of past experience, an addition of at least 30 per cent. has to be made to this to provide for increase in rates when the time for payment actually matures.

We have also to remember that further liabilities are being and will be sanctioned during the remainder of the year 1918-19 for set-backs.

GENERAL FINANCIAL POSITION.

71. On the latest budget data our Income and Expenditure and margin of borrowing powers for general purposes except Fire Brigade and Water Works may be stated as follows :—

Income as per Budget for 1918-19		Rs.	1,52,37,850
Deduct—			
Fire Tax	Rs. 2,37,000		
Water Tax	„ 27,75,000		
		„	30,12,000
Balance ...		Rs.	1,22,25,850
Add—			
Difference between General Tax at 9½ per cent. and the maximum at 12 per cent. leviable under the Act ...		„	15,80,750
Total Income ...		Rs.	1,38,06,600(*A*)
Expenditure as per Budget for 1918-19		„	1,52,80,907
Deduct—			
Fire Brigade—			
(*a*) Ordinary expenditure ... Rs. 1,93,475			
Debt ... ... „ 35,700			
	Rs. 2,29,175		
Water Works—			
(*b*) Water works ... ... „ 5,24,208			
Debt... ... ... „ 18,45,974			
	„ 23,70,182		
		„	25,99,357
Net normal expenditure except Fire Brigade and Water Works		Rs.	1,26,81,550(*B*)

Balance of taxation against which loans can be raised for purposes other than Fire Brigade and Water Works, being difference between *A* and *B* ... ... Rs. 11,25,050

or say ... Rs. 11,25,000

Against this balance loans can be raised to the extent of Rs. 1,58,00,000 of a thirty years' currency at 5 per cent. with the Sinking Fund at 3 per cent. per annum compound interest. In addition we could, if necessary, raise a very large sum for Water Works limited only by the tax the Corporation would be prepared to levy and for Fire Brigade purposes we could raise a further loan of Rs. 34,61,000 on the same basis.

FIRE BRIGADE.

72. During the year the fire tax was levied at ⅛ per cent. The following statement shows the Income and Expenditure for the year as contrasted with the figures for the preceding year :—

—	Actuals for 1917-18.	Actuals for 1916-17.	Excess of 1917-18 over 1916-17.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Income	2,16,129 10 6	2,05,910 10 2	10,219 0 4
Expenditure including New Works and the interest and Sinking Fund Charges on Fire Brigade Loan and on a portion of the 55 Lakhs Loan.	2,22,211 11 4	1,92,597 11 10	29,613 15 6
Deficit	6,082 0 10	.....	.....

The following statement shows the surplus obtained from the Fire Tax at 31st March 1918 :—

Balance at 1st April 1917			Rs. 1,53,745-14-1
Less—			
Deficit for the year	Rs. 6,082-0-10		
Amount to be renewed in 1918-19 on account of outstanding liabilities	„ 44,064-3-7		„ 50,146-4-5
Actual surplus on 31st March 1918			Rs. 1,03,599-9-8

TEST AUDIT.

73. The test audit as hitherto conducted by this department has been taken over by the Municipal Commissioner, *vide* his letter No. 415-V of 5th January 1918 to the Municipal Secretary embodied in the Standing Committee Resolution No. 7194 of 7th February 1918 and Corporation Resolution No. 8375 of 18th March 1918.

The attention of myself and my special test audit staff, except for cases which are specially referred to me, is now transferred to the outside audit of accounts only. It was a great satisfaction to me that during the closing phase of my test audit, it was established beyond doubt by the Police that my oft-repeated contention was based on fact *viz.*, that we were paying for services for cartage in the Executive Engineer's department that were not rendered.

The Sub-contractor and some of the inferior staff were prosecuted and sentenced to be imprisoned. Mr. R. E. Balsara very materially aided the Police.

1. REVENUE AND REFUND AUDIT (ASSESSMENT AND COLLECTION DEPARTMENT).

Quarterly Audit of Bills Outstanding.

74. In the year under report the balances of outstanding bills at different ward offices examined at the end of each quarter totalled 20,097 representing Rs. 27,93,184-8-5, as shown in the sub-joined statement. They were duly checked in detail with the Ward Collection Books (Form 16) and the Head Office Accounts (Forms 8 and 9) :—

Ward.	Balances examined on 2nd April 1917.		Balances examined on 2nd July 1917.		Balances examined on 1st October 1917.		Balances examined on 3rd January 1918.		Total balances examined during the year.	
	No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.	No. of Bills.	Amount.
		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.
A ...	160	14,479 14 0	1,674	2,96,182 1 1	194	9,292 2 6	1,972	3,07,042 10 1	4,000	6,26,996 11 8
A (GPR)	35	7,435 14 5	135	2,11,284 3 6	29	28,071 4 1	198	3,30,530 2 0	397	5,77,271 8 0
A (T) ...	31	3,623 6 7	336	80,815 8 6	39	5,582 10 3	367	88,160 12 0	773	1,78,187 5 4
B ...	37	3,457 13 10	1,557	2,29,965 15 8	59	5,323 10 9	1,792	2,53,745 5 1	3,445	4,92,492 13 4
C ...	26	2,126 5 4	1,058	1,12,459 8 9	35	2,053 1 6	1,021	1,09,317 10 11	2,140	2,25,956 10 6
D ...	139	24,559 13 11	1,495	1,47,964 13 6	193	30,607 7 6	1,781	1,76,098 14 5	3,608	3,79,231 1 4
E ...	112	7,255 13 6	874	76,442 0 2	98	6,588 0 8	947	74,690 10 11	2,031	1,64,876 9 8
F (N) ...	4	199 0 10	260	6,032 11 9	4	743 9 6	243	5,084 7 4	501	12,009 13 5
F (S) ...	4	593 12 10	357	17,289 2 9	41	1,141 0 7	305	15,515 4 0	707	34,539 4 2
G (N) ...	8	214 4 5	564	31,106 1 6	36	279 13 4	418	25,711 12 7	1,026	57,311 15 10
G (S) ...	21	1,436 5 4	637	22,217 4 5	27	1,225 7 9	784	19,431 10 1	1,469	44,310 11 7
Total...	577	65,387 9 0	8,937	12,31,799 7 7	755	90,908 4 5	9,828	14,05,179 3 5	20,097	27,93,184 8 5

Demands, Collections and Balances.

75. The demands, collections and balances at the close of the year, audited in the manner contemplated by the Manual are summarized below :—

	General Tax.	Water Tax.	Halalkhore Tax.	Vehicle and Animal Tax.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1. Total demands including previous year's outstandings.	61,40,299 7 10	28,03,984 4 9	17,24,773 9 7	2,92,711 11 9	1,09,61,769 1 11
2. *Deduct* bills recalled which were either cancelled or in lieu of which amended bills were issued.	4,01,851 0 4	1,51,318 8 9	96,924 6 1	5,251 5 1	6,55,344 15 3
3. Net demand ...	57,38,448 7 6	26,52,666 1 0	16,27,849 3 6	2,87,460 6 8	1,03,06,424 2 8
4. (*a*) Collection paid into the treasury including departmental adjustments.	57,11,215 11 8	26,23,661 9 7	16,20,060 4 3	2,83,074 5 9	1,02,38,011 15 3
(*b*) Irrecoverable bills written off.	.....	.....	.....	428 11 7	428 11 7
(*c*) Balance at the close of the year.	27,232 11 10	29,004 7 5	7,788 15 3	3,957 5 4	67,983 7 10
Rs. ...	57,38,448 7 6	26,52,666 1 0	16,27,849 3 6	2,87,460 6 8	1,03,06,424 2 8

The collections were checked with the receipt book under each head of revenue and the balances by an examination of the bills actually on hand in the several ward offices on the 2nd April 1918. They were found to be correct.

Refunds on Account of Vacancy, &c.

76. The sub-joined table shows the number of claims for refund on account of vacancy and over-collection that were scrutinized during the year. In the previous year the claims numbered 1,499 representing Rs. 55,193-8-9.

Ward.	No. of claims.	Amount of refunds sanctioned.						
		General Tax.	Water Tax.	Halalkhor Tax.	Wheel Tax.	Meter Hire.	Notice Fee.	Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs a. p.	Rs. a. p.
A	114	2,652 6 10	560 11 3	1,096 11 5	30 0 0	31 0 0	.....	4,270 13 6
B	55	780 10 11	168 8 7	412 2 6	.....	.....	.....	1,361 6 0
C	164	2,628 11 10	534 6 5	835 12 10	7 10 8	18 0 0	.....	3,724 9 9
D	222	2,447 3 4	452 9 0	1,477 8 6	80 0 0	20 0 0	3 0 0	4,480 4 10
E	105	1,227 13 7	378 11 6	400 6 11	30 0 0	.....	.....	2,037 0 0
F	76	1,169 3 1	7,599 12 5	427 4 4	.....	3 0 0	.....	9,199 3 10
G	79	3,008 4 11	184 10 4	640 4 0	.....	.....	.....	3,833 3 3
G. P. R. ...	10	25 3 3	0 0 8	30 1 1	.....	11 0 11	.....	66 5 11
T. Sec.... ...	155	3,603 9 9	725 12 8	1,128 12 4	.....	.....	.....	5,458 2 9
Total ...	970	17,143 3 6	10,605 2 10	6,448 15 11	147 10 8	83 0 11	3 0 0	34,431 1 10

Drawback Claims.

77. The number of claims to one-fifth drawback of the general tax scrutinized during the year was as under :—

Ward.	1st half of 1917-18.		2nd half of 1917-18.		Total.	
	No. of claims.		No. of claims.		No. of claims.	
	Received.	Admitted.	Received.	Admitted.	Received.	Admitted.
A	234	101	162	74	396	175
B	451	189	405	158	856	347
C	766	412	750	341	1,516	753
D	565	264	494	219	1,059	483
E	825	472	756	456	1,581	928
F (N)	91	45	78	21	169	66
F (S)	222	139	203	127	425	266
G (N) ...	164	66	150	55	314	121
G (S) ...	333	221	315	205	648	426
Properties acquired by the C. I. Trust.	306	245	308	243	614	488
Total ...	3,957	2,154	3,621	1,899	7,578	4,053

In the previous year the claims received aggregated 9,167 and those admitted were 5,194.

Assessment Book.

78. The Assessment Book was subjected to scrutiny and it was ascertained that no property liable to any authorized tax or charges leviable in lieu thereof had escaped assessment.

Vehicle and Animal Tax Book.

79. The register of vehicle and animal tax (Form No. 4) was examined and the entries therein were checked with the Ward Superintendents' quarterly reports and the owners' Returns. The table given below shows the number of entries scrutinized during the year :—

Ward.	No. of Entries.				
	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	Total.
A	1,159	1,337	1,441	1,546	5,483
B	614	665	669	747	2,695
C	899	976	1,049	1,151	4,075
D	1,886	2,087	2,224	2,442	8,639
E	765	821	881	980	3,447
F (N)	119	134	141	152	546
F (S)	163	75	186	196	720
G (N)	103	111	120	125	459
G (S)	144	160	172	208	684
Total ...	5,852	6,466	6,883	7,547	26,748

Public Land Conveyances.

80. The revenue derived during the calendar year 1917 from the tax on Public Land Conveyances licensed by the Police Commissioner under Bombay Act VI of 1863 and on taxi-cabs during the official year under report was audited. The license certificates issued by the Commissioner of Police numbered 12,736 and were checked with the register maintained in this office.

Amendments in Valuations.

81. The subsequent changes during the course of the year in the rateable value of properties and alterations in demands made through Increase and Decrease Registers (Form 11, 11-B and 11-C) were duly checked with tabulated ward reports and audit notebooks kept in this office.

Complaints Against Assessments.

82. The number of complaints against assessments made from 1st April 1917, disposed of by the revenue office totalled 529. Of these, 162 were received from property-holders in B Ward, 151 from E Ward, 50 from F Ward and 236 from G Ward. Decisions on complaints against subsequent amendments during the course of the year under Section 167 of the Act scrutinized aggregated 264.

Write-off of Irrecoverable Bills.

83. 46 irrecoverable bills on account of wheel-tax aggregating Rs. 428-11-7 were written off.

Other Departments.

84. The revenue books maintained in other departments of the Municipality were checked monthly with the permits, the counterfoils of receipts and the Licenses and with other papers produced in support of the vouchers and the collection paid into the Municipal Treasury duly verified.

Executive Engineer's Department (including General, Roads and Buildings).
Drainage Department.
Hydraulic Engineer's Department.
Health Department (including the Ward Offices of the Deputy Health Officers).
Vaccination Department, Markets and Slaughter Houses, License Department, and Victoria Gardens.

The following statement shows the Number of vouchers and the amounts represented by them that were audited during the year :—

Name of Departments.	Number of vouchers examined.	Amount.
		Rs.
Executive Engineer's Department (including General, Roads and Buildings and Drainage Departments).	5,693	4,10,140
Hydraulic Engineer's Department	2,048	88,700
Health Department (including the Ward Offices)	32,642	1,60,113
Vaccination Department	1,481	12,461
Markets and Slaughter Houses	21,14,381	6,67,522
License Department	12,430	1,29,584
Victoria Gardens	41,254	9,644

PERMITS ISSUED UNDER SECTION 390 OF THE ACT.

85. The permits issued under Section 390 of the Municipal Act in respect of newly established factories totalled 114 and brought in a revenue of Rs. 2,850.

RENT BILLS AGAINST THE BOMBAY TELEPHONE CO.

86. As the proposal put forward by the Telephone Company to change the present mode of charging them ground rent was placed before the Standing Committee only in Municipal Commissioner's letter No. 1058 of 12th July 1918, the preparation of the bills for 1915, 1916 and 1917 has been held in abeyance.

FINES LEVIED BY THE PRESIDENCY MAGISTRATES.

87. The total amount of fines recovered during the year under report in respect of offences committed against the several provisions of the Municipal Act, was Rs. 40,039 which was duly paid into the Municipal Treasury. The cases in which the fines remained outstanding were brought to the notice of the heads of the Departments concerned.

88. No very serious errors or irregularities were discovered in the course of audit.

SPECIAL WORK.

89. The question of the transfer of the revenue audit to me was satisfactorily settled during the year and from the beginning of the present official year I have taken over in addition to my other duties the whole of this work. The foregoing paras. relating to revenue audit work in the past year accordingly appear in my financial report for the first time this year.

The revised edition of the stores manual was also finally completed last year and having now been duly approved by the Standing Committee is about to be sent to the Press.

During the year I revised :—

(1) The Revenue and Expenditure classification as hitherto adopted in the Budget and the Accounts.

(2) The system of booking the Revenue and Expenditure of the Municipality including the form of the Weekly Account, and

(3) The method of auditing and recording Establishment Charges in my office.

Personal.

90. My Deputy Mr. David Robertson, A.C.A., left to join the Indian Army Reserve of Officers on the 15th August 1917. His absence materially handicaps me in some sections of my office. I have not yet been able to either replace him by a fully qualified man or to get a qualified man for the revenue and outside accounts audit which I have undertaken.

COST OF DEPARTMENT.

91. The cost of my department in 1917-18 and 1897-98, and the percentage of cost to Income and Expenditure are compared below :—

YEARS.	Cost of Staff at maximum rate of pay.	Income.	Expenditure.	Percentage of Cost of Staff to Income.	Percentage of Cost of Staff to Expenditure.
	Rs.	Rs.	Rs.		
1897-98	62,754	(a) 68,98,064	(b) 68,86,527	·95	·91
1917-18	98,482	1,48,29,386	1,42,61,391	·66	·69
	35,728 or 56·93 per cent. increase.	79,31,322 or 114·98 per cent. increase.	73,74,864 or 107·09 per cent. increase.	30·53 Decrease.	24·18 Decrease.

(a) Excluding a rebate of Rs. 4,87,055 to current revenue in respect of plague expenses debited to revenue in 1896-97 and Rs. 1,10,442 on account of interest on the investments of Sinking and Special Funds.

(b) Excluding Rs. 5,00,000 on account of plague expenses debited to revenue in 1897-98, which were subsequently transferred to Loan Funds and Rs. 1,10,442 on account of investment of interest realized on Sinking and Special Funds.

The percentage of cost of staff to Income and Expenditure for the year 1916-17 was ·72 and ·71 respectively.

92. The following are the Appendices attached to my report :—

No. 1.—Statement showing the Income realized during 1917-18 compared with the estimates for that year as also with the actuals for the preceding year.

No. 2.—Statement showing the expenditure during 1917-18 as compared with the final sanctioned grants and the actuals for the preceding year.

No. 3.—Statement of Surplus Revenue Fund.

No. 4.—Statement of Special Funds for 1917-18.

No. 5.—Balance Sheet (Revenue) as at 31st March 1918.

No. 5-A.—Comparison of Face, Purchase and Market Values at 31st March 1918 of the different securities held in the Special Funds.

No. 6.—Balance Sheet (Capital Funds) as at 31st March 1918.

No. 6-A.—Comparison of Face, Purchase and Market Values at 31st March 1918 of the different securities held in the Sinking Funds.

No. 7.—Statement showing (1) outstanding Municipal Loans, (2) the expenditure incurred against each of them, (3) the amounts withdrawn temporarily from their unexpended balances to meet the cost of new works, etc., and (4) invested balances of the loans on 31st March 1918.

No. 8.—Block Account, showing details of Capital Expenditure up to 31st March 1918.

No. 9.—Statement showing the outstanding Loans due by the Municipality on 31st March 1918.

No. 10.—Statement showing the amounts which should have accumulated in the Sinking Fund, on the basis of the fixed instalments and the amounts actually invested up to 31st March 1918.

No. 11.—Statement showing the interest outstanding on different Municipal Loans on 31st March 1918.

No. 12.—Water Works, Income and Expenditure Account, including statement of income realizations for 1917-18, and preceding five years from water supply through meters.

No. 13.—Water Works Assets and Liabilities.

No. 14.—Statement showing the expenditure advanced from Surplus Cash Balance for new works to be subsequently provided for under a new Loan to be raised hereafter.

No. 15.—Statement of Town Duties collected and refunds allowed in 1917-18.

No. 16.—Statement of Net Town Duties collected during the ten years ending 1917-18.

No. 17.—Statement of gross Town Duties levied during the five years ending 31st March 1918, refunds allowed and the net income realized during that period.

No. 18.—Statement showing Town Duty Collection from each source month by month with the refunds admitted for the year 1917-18, as contrasted with those for the year 1916-17.

No. 19.—Statement showing the expenditure incurred on new works (revenue) as compared with the sanctioned grants and the unexpended balances renewed.

No. 20.—Statement of Liabilities incurred on Street Improvements and the rates and amounts actually paid.

No. 21.—Statement of Income of the Bombay Municipality from 1865 to the close of the financial year 1917-18.

No. 22.—Statement of Expenditure of the Bombay Municipality from 1865 to the close of the financial year 1917-18.

No. 23.—Contrasted statement of Income and Expenditure from the year 1865 to the financial year 1917-18.

I have the honour to be,
Sir,
Your most obedient servant,

W. E. WAITE,
Chief Accountant.

Appendix

I N

STATEMENT showing the Net Receipts during the Financial year 1917-18 from all sources as

Actuals for 1916-17.	PARTICULARS.	Details of Actuals.	Actuals for 1917-18.	Budget Estimate for 1917-18.
Rs. a. p.	**Taxation Proper.**	Rs. a. p.	Rs. a. p.	Rs. a. p.
	GENERAL TAX.			
46,14,070 5 4	General Tax at 9½ per cent. from the Public ...	48,75,598 4 4		
2,48,454 10 2	,, Government of Bombay	2,42,960 1 1		
3,53,906 10 1	,, Port Trust	3,56,705 8 4		
52,16,431 9 7			54,75,263 13 9	53,39,240 0 0
1,82,133 3 5	Fire Tax at ¼ per cent. from the Public ...	1,92,458 10 5		
9,610 0 10	,, Government of Bombay	9,590 8 5		
14,167 5 11	,, Port Trust	14,080 7 8	2,16,129 10 6	2,10,760 0 0
2,05,910 10 2			56,91,893 8 3	55,50,000 0 0
54,22,342 3 9				
	Wheel Tax and Tolls.			
2,55,464 15 0	Wheel Tax through Assessor and Collector (private conveyances)	2,82,962 11 1		
2,75,184 5 4	Wheel Tax through the Chief Accountant (public land conveyances)	2,81,638 10 8		
5,40,649 4 4			5,64,601 5 9	
20,766 10 8	Tolls (through contractors) ...	.....	22,375 0 0	
5,61,415 15 0			5,86,976 5 9	5,42,000 0 0
	Duties, Town—			
26,37,104 11 0	Through Port Trust	25,44,575 12 5		
3,15,228 1 4	,, B. B. & C. I. Railway	5,71,926 15 6		
9,27,583 11 1	,, G. I. P. Railway	13,37,980 0 10		
38,79,916 7 5		44,54,482 12 9		
20,09,581 11 0	*Less*—Refunds	24,14,178 1 0	20,40,304 11 9	17,00,000 0 0
18,70,334 12 5				
	Licenses—			
1,12,500 10 0	(*A*) Taxes on dangerous and offensive trades (through the License Superintendent)	.....	1,28,065 10 0	1,10,000 0 0
	(*B*) Streets and Buildings (through the Engineer)—			
1,300 0 0	(1) Licenses to Plumbers	1,280 0 0		
4,670 0 0	(2) ,, to Surveyors	4,500 0 0		
5,970 0 0			5,780 0 0	7,000 0 0
	(*C*) Net receipts on account of Land Conveyance, Music, &c., Licenses (issued by the Commissioner of Police)—			
.....	(1) Public Conveyance	.....		
8,816 5 6	(2) Music Licenses	10,609 7 2		
3,785 12 9	(3) Motor Car Licenses	14,485 2 6		
12,602 2 3			25,094 9 8	13,000 0 0
1,43,750 0 0	Liquor Licenses—Commuted payment from Government	.....	1,43,750 0 0	1,43,750 0 0
3,52,876 15 7	Tobacco Duty Licenses. Net receipts from Government (through Commissioner of Customs)	.....	3,71,290 12 2	3,10,000 0 0
84,81,792 11 0	Carried over Rs. ...		89,92,655 9 7	83,75,750 0 0

No. 1.

COME.

contrasted with the Actuals for 1916-17, the Original Budget Estimate and the Revised Estimate.

Revised Estimate for 1917-18.	Compared with the Actuals for 1916-17.		Compared with the Original Estimate.		Compared with the Revised Estimate.	
	Increase.	Decrease.	More.	Less.	More.	Less.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
54,59,000 0 0	2,58,833 4 2	.....	1,36,023 13 9	.....	25,263 13 9	.....
2,15,000 0 0	10,219 0 4	.....	5,369 10 6	.....	1,129 10 6	.....
56,65,000 0 0	2,69,051 4 6	.....	1,41,393 8 3	.....	26,393 8 3	.....
5,80,000 0 0	25,260 6 9	.....	44,976 5 9	.....	6,976 5 9	.....
19,56,000 0 0	1,69,969 15 4	.....	3,40,304 11 9	.....	90,304 11 9	.....
1,20,000 0 0	15,565 0 0	.....	18,065 10 0	.....	8,065 10 0	.....
7,000 0 0	.....	190 0 0	.....	1,220 0 0	.....	1,220 0 0
25,000 0 0	12,492 7 5	.....	12,094 9 8	.....	94 9 8	.....
1,44,000 0 0	.....	.....	.....	.....	.....	250 0 0
3,71,000 0 0	18,413 12 7	.....	61,290 12 2	.....	290 13 2	.....
88,62,000 0 0	5,11,052 14 7	190 0 0	6,18,125 9 7	1,220 0 0	1,32,125 9 7	1,470 0 0

Appendix

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STATEMENT showing the Net Receipts during the Financial year 1917-18 from all sources as

Actuals for 1916-17.	PARTICULARS.	Details of Actuals.	Actuals for 1917-18.	Budget Estimate for 1917-18.
Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.
84,81,792 11 0	Taxation Proper—Total Brought forward ...	.....	89,92,655 9 7	83,75,750 0 0
	Services Rendered.			
14,29,202 4 3	Halalkhore Tax on Value...	15,04,118 2 11		
96,434 9 8	,, for Special Services...	1,09,004 11 6		
15,25,636 13 11			16,13,122 14 5	15,52,000 0 0
	Water Tax and other Miscellaneous Water Works Revenue :—			
	Water Tax through Assessor			
11,31,137 3 10	and Collector on value. 11,86,796 2 1			
12,48,706 11 4	On Meter Measurement... 14,12,650 14 4			
13,442 0 10	Compounded Tax ... 13,374 12 6			
23,93,286 0 0		26,12,821 12 11		
	Water charges recovered through Water Engineer			
25,978 8 10		29,165 1 4		
24,19,264 8 10		26,41,986 14 3		
33,891 10 9	Rent of water meters	35,199 6 9		
12,214 13 10	Miscellaneous	13,747 2 10		
5,759 11 11	Sale proceeds of and produce of lands	5,218 5 7		
703 6 10	Rent of lands and buildings	563 2 8		
24,71,834 4 2			26,97,720 9 1	24,94,000 0 0
39,97,471 2 1			43,10,842 14 6	40,46,000 0 0
	Returns from Property and Miscellaneous.			
	Market Receipts—			
1,97,594 14 0	Stall rents	1,99,791 15 0		
54,492 1 8	Squatters' fees	55,703 5 0		
85,891 10 8	Fair ground and feeding fees from Contractors	1,03,600 0 0		
28,797 12 6	Miscellaneous	32,923 7 5		
2,36,400 0 0	Slaughter fees	2,62,562 7 0		
3,168 0 0	Rent of lands and buildings	3,168 0 0		
9 13 0	Sale-proceeds and produce of lands... ...	0 5 0		
6,06,354 3 10			6,57,749 7 5	5,98,000 0 0
	Public Gardens. Victoria Gardens.			
5,361 13 0	Sale-proceeds of plants, flowers, &c.	5,568 2 6		
422 0 0	Rent of chawls from malees, &c.	430 0 0		
1,128 8 0	Fees for elephant and camel rides	1,523 11 6		
600 0 0	Rebate towards the cost of the maintenance of the Museum Garden	600 0 0		
1,505 11 6	Fees for admittance	1,435 8 6		
600 0 0	Right of selling refreshments	600 0 0		
95 0 0	Sale-proceeds of cast live-stock	.....		
9,713 0 6			10,157 6 6	10,000 0 0
54,617 8 2	Tramway Rent	.....	55,589 1 8	55,000 0 0
61,751 8 10	Miscellaneous Fines and Penalties	.....	54,571 9 2	46,000 0 0
7,82,436 5 4	Returns from Property and Miscellaneous. Carried over...	.....	7,78,067 8 9	7,11,000 0 0
84,81,792 11 0	Taxation Proper—Total—Carried over...	.....	89,92,655 9 7	83,75,750 0 0
39,97,471 2 1	Services Rendered—Total—Carried over...	.....	43,10,842 14 6	40,46,000 0 0

No. 1—*continued.*

COME.

contrasted with the Actuals for 1916-17, the Original Budget Estimate and the Revised Estimate.

Revised Estimate for 1917-18.	Compared with the Actuals for 1916-17.		Compared with the Original Estimate.		Compared with the Revised Estimate.	
	Increase.	Decrease.	More.	Less.	More.	Less.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
88,62,000 0 0	5,11,052 14 7	190 0 0	6,18,125 9 7	1,220 0 9	1,32,125 9 7	1,470 0 0
16,03,000 0 0	87,486 0 6	.....	61,122 14 5	.....	10,122 14 5	.....
26,73,000 0 0	2,25,885 11 11	.....	2,03,720 0 1	.....	24,720 0 1	.....
42,76,000 0 0	3,13,371 12 5	.....	2,64,842 14 6	.....	34,842 14 6	.....
6,53,000 0 0	51,395 8 7	.....	59,749 7 5	.....	4,749 7 5	.....
10,000 0 0	444 6 0	.....	157 6 6	.....	157 6 6	.....
55,000 0 0	971 9 6	.....	589 1 8	.....	589 1 8	.....
55,050 0 0	.....	7,179 15 8	6,571 9 2	.....	.....	428 6 10
7,73,000 0 0	52,811 3 1	7,179 15 8	67,067 8 9	.....	5,495 15 7	428 6 10
88,62,000 0 0	5,11,052 14 7	190 0 0	6,18,125 9 7	1,220 0 0	1,32,125 9 7	1,470 0 0
42,76,000 0 0	3,13,371 12 5	.....	2,64,842 14 6	.....	34,842 14 6	.....

Appendix

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STATEMENT showing the Net Receipts during the Financial year 1917-18 from all sources as

Actuals for 1916-17.	PARTICULARS.	Details of Actuals.	Actuals for 1917-18.	Budget Estimate for 1917-18.
Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.
34,81,792 11 0	Taxation Proper—Total Brought forward ...	.....	39,92 655 9 7	33,75,750 0 0
39,97,471 2 1	Services Rendered—Total Brought forward ...	.....	43,10,842 14 6	40,46,000 0 0
7,32,436 5 4	Returns from Property and Miscellaneous. Brought forward ...	.....	7,78,067 8 9	7,11,000 0 0
	Miscellaneous Receipts :—			
.....	Telephone Rent	.....		
14,682 12 1	Sale of set forward land	35,387 13 1		
41,398 13 7	Sale of land	7,312 10 7		
91,389 7 5	Rent of chawls and ground rents	1,32,750 11 0		
16,107 0 0	Fees—Kamatipura milch cattle stable	12,984 0 0		
7,402 8 0	Fees—Agripada milch cattle stable	1,698 13 6		
28,175 1 5	Dhobhiwada and Shops	27,960 6 2		
1,126 8 0	Cleveland Bunder Fees	1,080 4 0		
3,785 12 9	Sale of bones, manure, &c.	3,774 6 1		
34,154 0 0	Right of catching fish, cutting grass, collecting fruits, drawing toddy	27,407 0 0		
10,464 0 0	Concession money for permission to build within the regular line	7,884 0 0		
1,511 9 1	Recoveries from Military Authorities for special halalkhore service rendered to troops passing through Bombay	971 10 9		
8,289 0 0	Sale-proceeds of vaccine lymph	6,690 12 0		
.....	Compensation paid by the City Improvement Trust for the old night soil depot at Chandanvadi required by them	.....		
5,340 0 7	Cleaning drains	11,994 6 0		
34,898 1 3	Miscellaneous	33,922 12 2		
2,98,724 10 2			3,11,776 9 4	3,05,000 0 0
	Miscellaneous Fees.			
5,418 5 6	Battakee, notice fees, &c.	5,694 6 0		
16,890 14 6	Projecting verandahs, balconies, &c.	19,041 9 4		
2,317 8 0	Opening Roads	1,538 8 0		
11,477 2 2	Scaffoldings	19,857 2 3		
3,695 0 0	Occupying Public Road	3,273 8 0		
3,953 4 0	Digging graves	5,375 4 0		
7,660 0 0	Removing dead animals	13,055 12 0		
38,590 0 0	Skinning dead animals	35,200 0 0		
1,318 8 0	Municipal Laboratory fees	1,965 0 0		
340 0 0	Fees for vaccine instructions	740 0 0		
318 4 0	Fees for vaccinating persons at private places.	3,568 14 0		
100 0 0	Fees for admission to the Sanitary Department	30 0 0		
630 0 0	Fees for clinical instructions	1,635 0 0		
6,401 4 0	License fee for selling milk in the City... ...	6,667 8 0		
2,172 12 0	Misc. supplying copies of office records... ...	1,859 7 8		
1,01,217 14 2			1,19,201 15 3	1,05,600 0 0
7,530 4 8	Unclaimed wages lapsed to revenue	.....	7,286 4 1	8,000 0 0
45,005 6 2	Contribution from Municipal Servants towards pension, &c., fund	.....	44,822 11 11	45,000 0 0
1,24,229 12 11 2,26,867 9 9	Interest and profit on Investments of Surplus Loan and other Balances :— Loan Funds Investments ... ... Surplus Funds Investments	67,944 12 1 1,72,226 12 5		
3,51,097 6 8			2,40,171 8 6	2,50,250 0 0
8,604 9 6	Profit on Municipal workshops	.....	1,233 7 2	5,000 0 0
15,508 5. 1	Sale proceeds of unserviceable tools, plants, &c.	.....	10,412 5 0	8,000 0 0
9,350 12 2	Actual profit on sale of stores to contractors ...	.....	2,315 14 10	10,000 0 0
15,69,475 9 11			15,25,888 4 10	14,47,350 0 0
1,40,48,739 7 0	Total Rs. ...	.....	1,48,29,386 12 11	1,33,69,000 0 0
.....	Less ...	.....	.....	.....
.....	Net Increase Rs. ...	.....	.....	.....

W. E. WAITE,

Chief Accountant.

No. 1—*concluded.*

COME.

contrasted with the Actuals for 1916-17, the Original Budget Estimate and the Revised Estimate.

Revised Estimate for 1917-18.	Compared with the Actuals for 1916-17.		Compared with the Original Estimate.		Compared with the Revised Estimate.	
	Increase.	Decrease.	More.	Less.	More.	Less.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
88,62,000 0 0	5,11,052 14 7	190 0 0	6,18,125 9 7	1,220 0 0	1,32,125 9 7	1,470 0 0
42,76,000 0 0	3,18,371 12 5	.....	2,64,842 14 6	.....	34,842 14 6	.....
7,73,000 0 0	52,811 3 1	7,179 15 8	67,067 8 9	.....	5,495 15 7	428 6 10
3,10,900 0 0	13,051 15 2	.....	6,776 9 4	.....	1,776 9 4	.....
1,19,000 0 0	17,984 1 1	.....	14,201 15 3	.....	9,201 15 3	.....
8,000 0 0	.....	144 0 7	.....	613 11 11	.....	613 11 11
45,000 0 0	.....	682 10 3	.....	677 4 1	.....	677 4 1
2,60,000 0 0	.....	1,10,925 14 2	.....	10,078 7 6	.....	19,823 7 6
8,000 0 0	3,628 13 8	.....	7,333 7 2	.....	4,333 7 2	.....
3,000 0 0	.....	5,096 0 1	2,412 5 0	.....	2,412 5 0	.....
10,000 0 0	.....	7,034 13 4	.....	7,684 1 2	.....	7,684 1 2
15,32,000 0 0	87,476 1 0	1,31,063 6 1	97,631 13 6	9,053 8 8	23,120 4 4	29,231 15 6
1,46,70,000 0 0	9,11,900 12 0	1,31,253 6 1	9,80,660 5 7	20,273 8 8	1,90,088 12 5	30,701 15 6
.....	1,31,253 6 1	.....	20,273 8 8	.....	30,701 15 6	.....
.....	7,80,647 5 11	.....	9,60,386 12 11	.....	1,59,386 12 11	.....

P. W. MONIE,
Municipal Commissioner.

Appendix

EXPEN

STATEMENT showing the Actuals as compared with the Final Sanctioned Grants for

Actuals for 1916-17.	PARTICULARS.	Details of Actuals for 1917-18.	Actuals for 1917-18.	Final Grants sanctioned for Expenditure during 1917-18.
Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.
	General Superintendence.			
86,164 14 2	Corporation and Standing Committee's Establishment	88,597 10 0		88,954 10 7
72,592 2 10	Municipal Commissioner's Personal Office Establishment	64,570 6 5		65,957 7 2
75,245 2 11	General Office Establishment ...	92,479 1 8		1,14,538 1 5
1,05,011 6 5	Accounts and Expenditure Audit Establishment	1,04,485 2 7		1,06,196 1 2
3,39,013 10 4		.....	‡ 3,50,132 4 8	3,75,646 4 4
	Assessment and Collection Department.			
2,41,326 9 1	Property and Wheel Tax Establishment	2,43,033 1 8		2,58,546 1 3
1,25,889 8 11	Town Duty Collection...	1,70,827 9 0		1,87,487 8 9
377 4 0	Tolls Collection	443 0 0		466 0 0
28,569 4 0	Licensing Establishment	28,315 15 6		29,568 13 3
97,234 14 0	Revenue and Refund Audit Establishment	90,906 9 11		92,127 0 5
4,93,397 8 0		.....	† 5,33,526 3 8	5,68,180 7 8
	Fire Brigade.			
1,55,701 13 8	Fire Brigade	1,84,366 0 11		2,32,042 14 1
5,880 0 0	Interest on the Fire Brigade Portion of the 55 Lakhs Loan	5 880 0 0		5,880 0 0
17,780 0 0	Interest on the Fire Brigade Loan of 4½ Lakhs	18,190 0 0		19,630 0 0
8,320 5 3	Instalments in respect of Fire Brigade Loans of 4½ Lakhs	8,364 6 2		8,570 0 0
3,250 0 0	Instalments in respect of Fire Brigade Loans of 55 Lakhs	5,250 0 0		3,250 0 0
1,665 10 4	New Works	2,161 4 3		3,361 3 5
1,92,597 11 10		... ...	2,22,211 11 4	2,72,934 1 6
	Maintenance of Public Gardens.			
73,926 0 11	Victoria Gardens maintenance ...	69,759 11 3		1,00,978 13 11
1,428 13 7	Elphinstone Circle Garden	948 2 0		1 307 0 0
254 12 2	Falkland Road Garden	144 0 0		268 0 0
1,456 8 7	Northbrook Garden	907 12 2		1,282 0 0
188 14 10	Sir Cawasji Jehangir Garden at Mahim	146 13 4		338 0 0
367 3 1	Bhatia Baug Garden	333 9 4		478 0 0
273 5 11	Dick's Tank Garden	165 4 5		194 0 0
.....	Malabar Hill Garden	.....		.....
3,616 8 10	Esplanade Band Stand Garden ...	3,968 10 5		4,534 0 0
688 2 6	Chowpati Band Stand	680 0 0		1,355 0 0
287 5 8	Flora and Wellington Fountains and the Queen's Statue	256 8 7		410 0 0
8,011 14 10	New Works	4,254 14 6		13,347 4 2
90,489 10 11		.....	81,555 5 11	1,24,492 2 1
11,15,498 9 1	Carried forward...Rs.	.....	11,87,425 9 7	13,41,252 15 7

‡ Of this Rs. 43,766-8-7 are charged to Water Work's Account.
† Do. Rs. 72,909-14-9 do. do.

No. 2.

DITURE.

1917-1918 and the Actuals for the preceding year.

Final Grants compared with the Actuals.			Compared with the Actuals for 1916-17.	
Balances unexpended.	Required to be renewed in 1918-19.	Net savings.	Increase.	Decrease.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
357 0 7	86 1 7	270 15 0	2,432 11 10	.....
1,387 0 9	661 0 8	726 0 1	.....	8,021 12 5
22,058 15 9	21,132 11 5	926 4 4	17,323 14 9	.....
1,710 14 7	133 2 6	1,577 12 1	.....	526 8 10
25,513 15 8	22,013 0 2	3,500 15 6	19,666 10 7	8,548 0 3
15,513 0 0	13,205 10 9	2,307 5 3	1,706 8 2	.....
16,659 15 9	10,077 15 0	6,582 0 9	44,938 0 1	.....
23 0 0	.....	23 0 0	65 12 0	.....
1,237 13 9	607 6 7	630 7 2	.....	253 4 6
1,220 6 6	24 12 6	1,195 10 0	.....	6,328 4 1
34,654 4 0	23,915 12 10	10,738 7 2	46,710 4 3	6,581 8 7
47,676 13 2	41,433 9 1	6,243 4 1	28,664 4 8	.....
.....	.....	.....	.....	.....
1,640 0 0	1,640 0 0	.....	410 0 0	.....
205 9 10	.....	205 9 10	44 0 11	.....
.....	.....	.....	.....	.....
1,199 15 2	990 10 6	209 4 8	495 9 11	.....
50,722 6 2	44,064 3 7	6,658 2 7	29,613 15 6	.....
31,219 2 9	26,516 8 4	4,702 10 5	.....	4,166 5 9
358 14 0	255 0 0	103 14 0	.....	480 11 7
124 0 0	24 0 0	100 0 0	.....	110 12 2
374 3 10	150 0 0	224 3 10	.....	548 12 5
191 2 8	.....	191 2 8	.....	42 1 6
154 6 8	30 0 0	124 6 8	.....	33 9 9
28 11 7	.....	28 11 7	.....	108 1 6
.....	.....	.....	.....	.....
565 5 7	23 6 0	541 15 7	352 1 7	.....
675 0 0	.....	675 0 0	.....	8 2 6
153 7 5	.....	153 7 5	.....	30 13 1
9,092 5 8	8,795 5 8	297 0 5	.....	3,757 0 4
42,936 12 2	35,794 3 7	7,142 8 7	352 1 7	9,286 6 7
1,53,827 6 0	1,35,787 4 2	28,040 1 10	96,342 15 11	24,415 15 5

Appendix

Actuals for 1916-17.	PARTICULARS.	Details of Actuals for 1917-18.	Actuals for 1917-18.	Final Grants sanctioned for Expenditure during 1917-18.
Rs. a. p. 11,15,498 9 1	Brought forward ...	Rs. a. p.	Rs. a. p. 11,87,425 9 7	Rs. a. p. 13,41,352 15 7
	Public Works (Engineer's Department).			
97,617 2 4	I.—General Supervision and Miscellaneous Duties	.....	95,416 1 7	96,974 6 4
	II.—Mechanical Branch—			
37,866 7 2	Maintenance of Compressor Station, Colaba (Shone system)	38,232 11 9		41,216 0 0
1,73,767 6 8	Maintenance of Love Grove Pumping Station	1,64,888 10 0		1,79,190 12 6
1,25,146 13 1	Maintenance of Air Compressor Station at Love Grove (Shone system)	1,19,470 3 7		1,63,824 12 11
2,321 12 1	Maintenance of Storm Water Sluices	2,459 6 5		2,607 0 0
1,017 7 10	Working the Oil Engine and Pump at Worli Sluices ...	646 0 2		1,210 0 0
.....	Do. Purbhadevi ...	1,289 11 1		1,540 0 0
3,40,119 14 10			3,37,086 11 0	3,89,588 9 5
92,486 6 2	III.—Sanitary Disposal of Town Sweepings	.....	1,02,364 4 2	1,07,945 2 10
	IV.—Drainage—			
2,76,196 3 9	A.—Miscellaneous Drainage...	2,65,783 12 5		2,90,605 10 3
2,878 1 11	B.—Maintenance of Sluices ...	2,735 12 4		3,332 0 0
2,79,074 5 8			2,68,519 8 9	2,93,937 10 3
	V.—Streets and Buildings—			
	A.—Inspection and Supervision			
2,42,497 13 2		2,28,457 12 9		2,36,651 10 7
4,75,365 12 5	B.—Public Lighting	4,95,430 4 0		5,09,754 11 8
96,302 10 11	C.—Road Watering	1,25,636 0 10		1,31,814 14 10
	CI.—Oiling and Tarring Roads (Experimental) ...	1,20,678 14 2		1,45,700 0 0
7,38,689 3 2	D.—Roads and Footpaths, &c.	6,60,528 6 7		7,46,441 8 10
1,53,779 2 6	E.—Street Improvements ...	1,82,156 5 3		2,07,334 7 11
	F.—Miscellaneous (compensation to house owners for Insanitary Buildings demolished).	328 10 7		400 0 0
17,82,758 12 0			18,18,116 6 2	19,78,097 5 10
	VI.—Cleaning, Lighting and Repairing Port Trust Wharves,			
43,238 0 6	Dock Roads, &c.	.....	49,358 3 1	49,358 3 1
3,58,650 8 7	VII.—Water Works	.....	4,31,265 8 9	4,74,670 4 3
29,93,945 1 7	Total—Public Works (Engr. Dept.)	.....	30,87,126 11 6	33,90,571 10 0
1,67,825 1 10	**New Works**	.....	* 1,88,568 3 9	4,75,625 12 5
	Public Health Department.			
1,44,356 11 9	General Supervision	1,56,274 8 11		1,57,646 10 6
18,31,066 10 5	Conservancy Branch	18,31,102 13 3		19,65,039 5 3
2,26,968 5 3	Markets and Slaughter Houses ...	2,43,922 13 10		2,79,452 4 2
98,020 10 7	Registration of Births and Deaths...	1,02,040 5 6		1,05,890 5 9
11,188 0 8	Cemeteries	11,639 0 8		13,226 0 0
16,245 8 10	Laboratory	16,056 6 8		20,705 8 0
18,457 0 0	Mahaluximi Dhobhiwada	19,692 3 1		21,547 5 0
7,846 15 5	Milch Cattle Stables and Rooms ...	6,748 4 1		7,766 3 4
4,017 9 7	Supervision of City Milk Supply ...	3,805 2 6		3,992 5 10
17,155 9 9	Dispensaries	18,797 8 11		20,158 8 9
326 4 3	Rusomji Jamshedji Dharamsala ...	383 7 4		598 0 0
79,844 13 8	Infectious Diseases	61,440 7 9		67,886 7 3
32,465 9 9	Vaccination	33,319 8 3		36,858 6 0
43,958 13 8	Malaria	46,218 6 8		47,093 5 8
25,32,816 11 7	*Public H. Dept.* Carried over Rs. ...	25,51,441 1 0	.....	27,47,310 11 6
42,77,268 12 6	Carried over Rs. ...	.....	44,63,120 8 10	52,07,450 6 9

* Of this Rs. 35,554-5-3 are charged to Water Works Account.

No. 2—*continued.*

Final Grants compared with the Actuals.			Compared with the Actuals for 1916-17.	
Balances unexpended.	Required to be renewed in 1918-19.	Net savings.	Increase.	Decrease.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1,53,827 6 0	1,25,787 4 2	28,040 1 10	96,342 15 11	24,415 15 6
1,558 4 9	304 11 0	1,253 9 9	.....	2,201 0 9
2,883 4 3	1,569 11 6	1,513 8 9	466 4 7	.....
14,302 2 6	12,006 8 7	2,295 9 11	.....	8,878 12 8
44,354 9 4	42,366 2 1	1,988 7 3	.....	5,676 9 6
147 9 7	.....	147 9 7	137 10 4	.....
563 15 10	.....	563 15 10	.....	371 7 8
250 4 11	15 3 11	235 1 0	1,289 11 1	.....
62,501 14 5	55,757 10 1	6,744 4 4	1,893 10 0	14,926 13 10
5,580 14 8	4,214 14 5	1,366 0 3	9,877 14 0	.....
24,821 13 10	17,905 5 0	6,916 8 10	.....	10,412 7 4
596 3 8	.....	596 3 8	.....	142 5 7
25,418 1 6	17,905 5 0	7,512 12 6	.....	10,554 12 11
8,193 13 10	6,980 7 9	1,213 6 1	.....	14,040 0 5
14,324 7 8	12,719 1 6	1,605 6 2	20,964 7 7	.....
6,278 14 0	5,392 3 11	886 10 1	29,233 5 11	.....
25,021 1 10	25,021 1 10	.....	44,703 7 11	.....
85,913 2 3	60,275 2 10	25,637 15 5	.....	78,160 12 7
25,178 2 8	25,177 1 4	1 1 4	28,377 2 9	.....
71 5 5	.....	71 5 5	179 15 0	.....
1,64,980 15 8	1,35,565 3 2	29,415 12 6	1,32,558 7 2	92,200 13 0
.....	.....	.....	6,120 3 1	.....
43,404 11 6	29,759 0 7	13,645 10 11	72,615 0 2	.....
3,08,444 14 6	2,43,506 12 3	59,938 2 3	2,13,065 2 5	1,19,883 8 6
2,87,057 8 8	2,51,167 14 9	35,889 9 11	20,743 1 11	.....
1,372 1 7	448 2 6	933 15 1	11,917 13 2	.....
1,33,986 8 0	52,474 4 0	81,462 4 0	.....	863 13 2
35,529 6 4	18,569 10 9	16,959 11 7	16,954 8 7	.....
3,350 0 3	556 0 9	2,793 15 6	4,019 10 11	.....
1,586 15 4	561 14 4	1,025 1 0	451 0 0	.....
4,649 1 9	4,318 9 4	330 8 5	.....	189 2 7
1,855 1 11	1,490 1 9	365 0 2	1,235 3 1	.....
1,917 15 3	304 14 7	713 0 8	.....	1,098 11 4
187 3 4	.....	187 3 4	.....	212 7 1
1,360 15 10	125 0 0	1,235 15 10	1,641 15 2	.....
214 8 8	.....	214 8 8	57 3 1	.....
6,395 15 6	627 14 9	5,768 0 9	.....	18,404 5 11
3,538 13 9	1,845 2 6	1,693 11 3	855 14 6	.....
874 15 0	121 7 8	753 7 4	2,259 9 0	.....
1,95,869 10 6	81,443 2 11	1,14,426 7 7	39,392 13 6	20,768 8 1
7,44,329 13 2	6,20,461 15 2	1,23,867 14 0	3,30,151 4 3	1,44,299 7 11

Appendix

Actuals for 1916-17.	Particulars.	Details of Actuals for 1917-18.	Actuals for 1917-18.	Final Grants sanctioned for Expenditure during 1917-18.
Rs. a. p. 42,77,268 12 6	Brought forward ...	Rs. a. p.	Rs. a. p. 44,65,120 8 10	Rs. a. p. 52,07,450 6 0
25,32,816 11 7	**Public Health Department** —*contd.* and brought forward ...	25,51,441 1 0		27,47,810 11 6
	Plague— Rs. a. p.			
27,135 13 2	1. Free Medical Relief, Maratha Hospital... 29,021 11 0			32,500 0 0
10,032 7 8	2. Maintenance of Camps including construction, renewal, &c. 7,512 3 8			18,327 12 11
584 3 1	3. Net Municipal contribution to private Hospital, Dispensaries, &c. 1,131 12 3			2,500 0 0
395 0 0	4. Fees for Notification of Plague cases. 366 0 0			500 0 0
14,668 0 4	5. General Supervision 16,517 10 10			16,602 12 1
20,286 0 7	6. Disinfection ... 19,805 15 7			21,900 0 0
10,785 11 3	7. Registration ... 10,368 14 9			11,000 0 0
45,484 14 0	8. Rat destruction ... 46,793 10 3			51,861 13 4
11 13 8	9. Inoculation ... 12 2 6			300 0 0
573 8 7	10. Discretional Relief 630 5 3			700 0 0
.....	11. Unforeseen charges			100 0 0
1,29 957 8 4		1,32,160 6 1		1,56,292 6 4
1,038 11 7	Lethal Chamber for Dogs	1,391 2 9		2,172 13 4
26,63,813 15 6			26,84,993 0 10	29,05,775 15 2
	General Stores Establishment.			
40 538 4 10	Establishment and Contingencies, &c.	.....	44,085 4 9	48,095 12 0
5,10,000 0 0	**Primary Education**	.....	6,44,000 0 0	6,44,000 0 0
	Education.			
3,000 0 0	School for Deaf and Dumb Mutes ...	3,000 0 0		3,000 0 0
2,500 0 0	Veterinary College	2,500 0 0		2,500 0 0
15,745 2 11	Victoria and Albert Museum ...	17,331 12 4		23,018 6 2
20,500 0 0	Victoria Jubilee Technical Institute.	20,000 0 0		20,000 0 0
25,000 0 0	Prince of Wales Museum	25,000 0 0		25,000 0 0
13,127 9 3	Schools Committee Establishment ...	14,783 5 9		14,897 3 7
2,500 0 0	Victoria Memorial School for the Blind	2,500 0 0		2,500 0 0
.....	American Mission School for the Blind	2,500 0 0		2,500 0 0
81,872 12 2			87,595 2 1	93,415 9 9
	Hospitals.			
4,14,500 0 0	Medical Institutions	4,14,500 0 0		4,14,500 0 0
15,960 0 0	Lepers Asylum at Matunga	16,570 0 0		16,850 0 0
4,000 0 0	Adams-Wylie Hospital	4 000 0 0		4,000 0 0
1,500 0 0	Bombay Sanitary Association ...	1,500 0 0		1,500 0 0
4,36,960 0 0			4,36,570 0 0	4,36,850 0 0
	Miscellaneous.			
1,46,580 9 6	Pensions, Gratuities and Compassionate Allowances	1,75,959 12 11	.....	1,78,000 0 0
5,658 8 5	Discretional Contingencies	5,354 1 2	.....	8,588 0 0
10 000 0 0	Auditors' Allowances	10,000 0 0	.....	10,000 0 0
37,414 0 6	Local Allowance	26,215 1 1	.....	32,080 0 0
10,000 0 0	Contribution towards the expenses of the King George V. Anti-Tuberculosis League	10,000 0 0	.....	10,000 0 0
4,256 11 0	Cost of Address to be presented to the retiring Viceroy and the Viceroy designate	.....	.....	.....
2,13,909 13 5	Mis.—Contd. and carried over ..	2,27,528 15 2	.....	2,38,668 0 0
80,09,452 13 0	Carried over ...	.....	88,60,364 0 6	93,35,587 10 11

No. 2—*continued.*

Final Grants compared with the Actuals.			Compared with the Actuals for 1916-17.	
Balances unexpended.	Required to be renewed in 1918-19.	Net savings.	Increase.	Decrease.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
7,44,329 13 2	6,20,461 15 2	1,23,867 14 0	3,80,151 4 3	1,44,299 7 11
1,95,869 10 6	81,443 2 11	1,14,426 7 7	39,392 13 6	20,768 3 1
3,478 5 0	3,383 14 2	94 6 10	1,885 13 10	.....
10,815 9 3	6,504 0 0	4,311 9 3	.....	2,520 4 0
1,368 3 9	.....	1,368 3 9	547 9 2	.....
134 0 0	134 0 0	.....	.....	29 0 0
85 1 3	85 1 3	.....	1,849 10 6	.....
2,094 0 5	2,094 0 5	.....	.....	480 1 0
631 1 3	631 1 3	.....	.....	416 12 6
5,068 3 1	3,068 3 1	2,000 0 0	1,808 12 3	.....
287 13 6	.....	287 13 6	0 4 10	.....
69 10 9	.....	69 10 9	56 12 8	.....
100 0 0	.....	100 0 0	.....	.....
24,182 0 3	15,900 4 2	8,281 12 1	5,648 15 3	3,446 1 6
781 3 7	220 1 1	561 2 6	352 14 2	.....
2,20,782 14 4	97,563 8 2	1,23,219 6 2	45,894 10 11	24,214 9 7
4,010 7 3	2,569 0 6	1,441 6 9	3,546 15 11	.....
.....	.....	.....	1,34,000 0 0	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
5,686 9 10	4,281 1 10	1,405 8 0	1,686 9 5	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
133 13 10	77 10 11	56 2 11	1,635 12 6	.....
.....	.....	.....	.....	.....
.....	.....	.....	2,500 0 0	.....
5,820 7 8	4,358 12 9	1,461 10 11	5,722 5 11	.....
.....	.....	.....	.....	.....
280 0 0	.....	280 0 0	610 0 0	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
280 0 0	.....	280 0 0	610 0 0	.....
2,040 3 1	2,040 3 1	.....	29,379 3 5	.....
3,233 14 10	400 0 0	2,833 14 10	.....	304 7 3
.....	.....	.....	.....	.....
5,864 14 11	200 0 0	5,664 14 11	.....	11,198 15 5
.....	.....	.....	.....	.....
.....	.....	.....	.....	4,256 11 0
11,139 0 10	2,640 3 1	8,498 13 9	29,379 3 5	15,760 1 8
9,75,223 10 5	7,24,953 4 7	2,50,270 5 10	19,425 5 0	1,68,514 1 6

Appendix

Actuals for 1916-17.	Particulars.	Details of Actuals for 1917-18.	Actuals for 1917-18.	Final Grants sanctioned for Expenditure during 1917-18.
Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.
80,09,452 13 0	Brought forward ...	.....	83,60,364 0 6	93,35,587 10 11
2,18,909 13 5	**Miscellaneous**—*contd.*	2,27,528 15 2	.....	2,38,668 0 0
.....	Increased rates paid to Contractors in respect of certain articles, &c. ...	4,154 4 1	.....	4,154 4 1
.....	Contribution towards the memorial to be erected at Apollo Bunder to commemorate the visit of His Majesty the King Emperor of India..	50,000 0 0	.....	50,000 0 0
.....	Grain compensation	1,83,798 6 11	.....	2,14,038 0 0
.....	War Allowance	72,425 4 3	.....	72,995 0 0
.....	Portion of the difference between the book value and the sale proceeds of unserviceable open parts of inferential and other meters written off	2,544 5 9	.....	2,544 5 9
15,952 2 10	Increase to staff	.....	.....	.....
1,100 0 0	Portion of the difference between the book value and sale proceeds of second-hand surplus and obsolete stores of the Stores Department written off	.....	.....	.....
7,205 11 10	Increased rates paid to certain Contractors in respect of certain articles of stores purchased during 1914-15	.....	.....	.....
832 0 0	Part of the difference between the book value and the sale proceeds of unserviceable articles of the Stores Department written off ...	.....	.....	.....
2,38,999 12 1			5,40,451 4 2	5,82,399 9 10
11,01,388 9 0	Contribution to the City Improvement Trust under Section 72 (1) of the Act IV of 1898	.....	10,98,112 14 3	10,98,112 14 3
25,000 0 0	Contribution towards the cost of Cadastral Survey of the Town and Island of Bombay	.....	25,000 0 0	25,000 0 0
	Municipal Debt.			
33,04,835 6 5	Interest on Loans	*31,45,609 15 0	.....	34,23,622 9 1
15,370 0 4	Charges on Loans	15,412 6 4	.....	16,200 0 0
1,63,780 8 0	Payment towards reduction of debt..	93,360 14 0	.....	2,03,860 14 0
9,27,118 7 3	Payment towards the investment of Sinking Fund	9,31,681 4 2	.....	9,31,682 0 0
44,11,104 6 0			41,86,064 7 6	45,75,365 7 1
	Investment.			
10,000 0 0	Municipal Fire and Accident Insurance Fund	.....	10,000 0 0	10,000 0 0
1,20,312 0 0	Discount on the conversion of 3 per cent. and 3½ per cent. Government Paper into 4 per cent. Conversion Loan of 1916-17	.....	.....	.....
2,98,134 11 9	Investment of the Sale proceeds of Municipal lands into the Municipal Lands and Buildings Fund ...	.....	41,398 13 7	41,398 13 7
1,42,14,292 3 10		.....	1,42,61,391 8 0	1,56,67,864 7 8

W. E. WAITE,
Chief Accountant.

* In addition to this sum, Rs. 24,070 in all is shown under Fire Brigade, making Rs. 31,69,679-15-0 in all, *vide* col. 8, App. 9.

No. 2—*concluded.*

Final Grants compared with Actuals.			Compared with Actuals for 1916-17.	
Balances unexpended.	Required to be renewed in 1918-19.	Net savings.	Increase.	Decrease.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
9,75,223 10 5	7,24,953 4 7	2,50,270 5 10	5,19,425 5 0	1,68,514 1 6
11,129 0 10	2,640 3 1	8,498 13 9	29,379 3 5	15,760 1 8
.....	.....	.....	4,154 4 1	.....
.....	.....	.....	50,000 0 0	.....
30,339 9 1	2,000 0 0	28,339 9 1	1,83,798 6 11	.....
569 11 9	300 0 0	269 11 9	72,425 4 3	.....
.....	.....	.....	2,544 5 9	.....
.....	.....	.....	.....	15,952 2 10
.....	.....	.....	.....	1,100 0 0
.....	.....	.....	.....	7,205 11 10
.....	.....	.....	.....	832 0 0
41,948 5 8	4,940 3 1	37,008 2 7	3,47,301 8 5	40,850 0 4
.....	.....	.....	.....	3,175 10 9
.....	.....	.....	.....	.....
2,78,012 10 1	2,76,804 15 9	1,207 10 4	.....	1,59,225 7 5
787 9 8	.....	787 9 8	42 6 0	.....
1,10,500 0 0	1,10,500 0 0	.....	.....	70,419 10 0
0 11 10	.....	0 11 10	4,662 12 11	.....
3,89,300 15 7	3,87,304 15 9	1,995 15 10	4,605 2 11	2,29,645 1 5
.....	.....	.....	.....	.....
.....	.....	.....	.....	1,20,312 0 0
.....	.....	.....	.....	2,56,735 14 2
14,06,472 15 8	11,17,198 7 5	2,89,274 8 3	8,66,332 0 4	8,19,232 12 2

P. W. MONIE,
Municipal Commissioner.

Appendix No. 3.

Revenue Account for the year ended 31st March 1918.

	Rs. a. p.	Rs. a. p.
Receipts as per Appendix No. 1	.....	1,48,29,386 12 11
Payments as per Appendix No. 2	.....	1,42,61,391 8 0
Excess Receipts over Payments	.....	5,67,995 4 11
Less—		
Increase in outstanding liabilities.		
(1) On account of grants renewed	2,47,703 3 6	
(2) In Payment to City Improvement Trust	54,574 4 2	
		3,02,277 7 8
Net Surplus for the year	.....	2,65,717 13 3
Surplus Revenue Fund as at 1st April 1917	.....	46,26,178 2 8
Excess of Income over Expenditure as above...	.....	2,65,717 13 3,
Surplus Revenue Fund as at 31st March 1918 as per Appendix No. 5	.....	48,91,895 15 11*

*This includes Rs. 1,00,000 being minimum required by law and Rs. 6,93,303-12-7 being Reserve Stock Balances as at 31st March 1918

W. E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

Appendix No. 4.

Statement of Special Funds for 1917-18.

Municipal Fire and Accident Insurance Fund. Year ended 31st March 1918.

	Dr. Rs. a. p.	*Cr.* Rs. a. p.
Balance on 1st April 1917	.....	2,34,398 13 6
Municipal Contribution for year	.....	10,000 0 0
Interest realized	.....	8,268 3 9
For repairing the damage caused by fire to the two rooms in the camp at Lamington Road and for constructing a semi-permanent chawl and three seated water-closets, &c., at Tardeo Flats	1,160 0 0	.....
Balance on 31st March 1918 as per Balance Sheet, Appendix No. 5 ...	2,51,447 1 3	.....
Total Rs. ...	2,52,607 1 3	2,52,607 1 3

Worn-out Water Mains Renewal Fund. Year ended 31st March 1918.

	Rs. a. p.	Rs. a. p.
Balance on 1st April 1917	.....	5,95,119 11 2
Interest realized	.....	21,734 11 0
Balance on 31st March 1918 as per Balance Sheet, Appendix No. 5	6,16 854 6 2	.....
Total Rs. ..	6,16,854 6 2	6,16,854 6 2

Net Premia Fund. Year ended 31st March 1918.

	Rs. a. p.	Rs. a. p.
Balance on 1st April 1917	.....	1,87,680 14 5
Interest realized	.....	3,862 8 4
Extra Interest realizations on Sinking Fund's Investments	.....	85,575 7 8
Sale of water marked Paper	.....	59 12 0
Balance on 31st March 1918 as per Balance Sheet, Appendix No. 5.	*2,77,178 10 5	.....
Total Rs. ...	2,77,178 10 5	2,77,178 10 5

Municipal Lands and Buildings Fund. Year ended 31st March 1918.

	Rs. a. p.	Rs. a. p.
Balance on 1st April 1917	.....	3,03,034 2 11
Transfer of the amount of moneys received on account of sale of land other than set-forward land during the year 1916-17	.....	41,398 13 7
Interest realized	.....	15,364 14 0
For the acquisition of plot of land at Sewri in behalf of one Mr. Ismail Haji Cassam but subsequently retained for Municipal purposes	10,380 14 5	.....
Balance on 31st March 1918 as per Balance Sheet, Appendix No. 5.	3,49,117 0 1	.....
Total Rs. ...	3,59,797 14 6	3,59,797 14 6

* Of this Rs. 1,17,755-1-7 belong to the Water Works Account.

W. E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

Appendix

REVENUE ACCOUNT BALANCE

Liabilities.	Rs. a. p.	Rs. a. p.
Debts—		
Due on Cheques payable	1,84,081 8 3	
,, Stores purchased, Outstanding Accounts	75,221 9 1	
,, Outstanding Charges for 1917-18 and previous years	11,17,198 7 5	
City Improvement Trust—		
Contribution due to them from Revenue for 1917-1918	11,52,687 2 5	
Deposits in Cash and Paper from Contractors and private parties	13,89,285 14 7	
Government of Bombay—		
Taxes, &c.	8,968 8 9	
Bank of Bombay on account of Contractors' securities held under objection ...	200 0 0	
		39,27,643 2 6
Trust Funds—		
Deposits held from private parties on account of public monuments—		
Maintenance of Sir Mangaldass Nathoobhoy's clock	500 0 0	
Do. Ranade Memorial...	1,200 0 0	
Do. J. N. Tata Memorial	1,200 0 0	
Do. a Charitable Dispensary at Kamatipura, opened by Rao Bahadur Ellapa Balaram.....	19,500 0 0	
Do. a Charitable Dispensary at Kamatipura, opened in the name of the late Mr. Rajanna Jalooji	10,700 0 0	
Do. Mr. Casamalli Jairajbhoy Peerbhoy's fountain at the junction of Hornby and Falton Roads	5,000 0 0	
Do. N. M. Petit's Memorial	3,000 0 0	
		41,100 0 0
Suspense Accounts—		
Profit on Sales of Stores	758 6 3	
Stock adjustment account	1,988 0 11	
Supervision charges on stores sold	78 8 8	
Loan Works Establishment	17,869 15 8	
		20,644 15 6
Special Funds as at 31st March 1918—		
Fire and Accident Insurance Fund	2,51,447 1 5	
Net Premia Fund	2,77,178 10 5	
Worn-out Water Mains Renewal Fund	6,16,854 6 2	
Municipal Lands and Buildings Fund as *per Appendix No.* 4	3,49,117 0 1	
		14,94,597 1 11
Carried forward Rs. ...	.....	54,83,985 3 11

No. 5.

SHEET AS AT 31st MARCH 1918.

Assets.	Rs. a. p.	Rs. a. p.
Cash in Office and in Bank...	.....	5,75,272 11 10
Debts—		
Due for stores sold	.....	23,126 2 1
Stock—		
Stock	5,87,969 10 11	
Water Works Imprest	4,918 11 4	
Executive Engineer's General...	933 6 0	
Line Suspense Account...	1,01,396 12 4	
Surplus and Obsolete Stores	3,085 4 0	
		6,98,303 12 7
Plant and Machinery	.....	67,001 0 0
Advances Recoverable—		
To Municipal Officers, &c.	36,066 14 11	
,, Miscellaneous Advances...	2 40,662 2 10	
,, Private and Departmental Works including Workshops	1,44 269 14 9	
,, Printing and Stamping, Building and Repair Certificates Forms	156 0 9	
,, Contractors	1,351 12 6	
New Works to be subsequently provided for under a New Loan to be raised as per *Appendix No.* 14	9,48,166 3 5	
To Chief Auditor and Accountant, G. I. P. Railway	725 0 0	
Do. do. B. B & C. I Railway	30,251 13 0	
		14,01,649 14 7
Deposits in paper with Bank of Bombay—		
On Contractors' Account	3,43,800 0 0	.....
Public Monuments Account	41,100 0 0	3,84,900 0 0
Carried forward Rs. ...	.....	31,50,253 8 8

Appendix

REVENUE ACCOUNT BALANCE

	Rs. a. p.	Rs. a. p.
Brought over Rs. ...		54,83,985 3 11
Surplus Revenue Fund as per Appendix No. 3		48,91,895 15 11
		1,03,75,881 3 10

W. E. WAITE,
Chief Accountant.

No. 5—*concluded.*

SHEET AS AT 31st MARCH 1918.

Investments—								Brought over Rs.			Rs. 31,50,253	a. 8	p. 8
Special Funds.	Face Value.			Actual cost.			Deposits in Cash and Fixed.					
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.			
Municipal Fire and Accident Insurance Fund—												
3½ per cent. Government Paper.	2,51,700	0	0	2,51,443	2	0						
	2,51,700	0	0	2,51,443	2	0	3	15	3	2,51,447	1	3
Net Premia, &c., on different Municipal Loans, 3½ per cent. Government Paper	2,78,200	0	0	2,77,080	10	0						
	2,78,200	0	0	2,77,080	10	0	98	0	5	2,77,178	10	5
Worn-out Water Mains Renewal Fund—												
3½ per cent. Government Paper.	6,17,500	0	0	6,16,668	7	0						
	6,17,500	0	0	6,16,668	7	0	185	15	2	6,16,854	6	2
Municipal Lands and Buildings Fund, 3½ per cent. Government Paper	3,49,000	0	0	3,49,000	0	0						
	3,49,000	0	0	3,49,000	0	0	117	0	1	3,49,117	0	1
												*14,94,597 1 11
Surplus Revenue Fund.	Face Value.			Actual Cost.			Deposits :—Cash Current Account and Fixed Deposits.					
4 per cent. Municipal Debentures	4,66,500	0	0	4,66,500	0	0						
Government Treasury Bills ...	14,50,000	0	0	14,14,656	4	0						
4 per cent. Port Trust Bonds...	2,45,500	0	0	2,45,520	0	0						
4 per cent. Port Trust Sterling Bonds for £25,000 ...	3,75,000	0	0	3,75,000	0	0						
3½ per cent. Government Paper.	20,49,900	0	0	20,48,686	14	0						
5½ per cent. Indian War Bonds of 1920.	1,600	0	0	1,600	0	0						
5½ per cent. Indian War Bonds and 5 per cent. Indian War Loan.	1,99,300	0	0	1,98,365	0	0						
	47,87,200	0	0	47,50,328	2	0	9,15,107	7	3	56,65,435	9	3
												56,65,435 9 3
	Scrip Receipt in respect of Bearer Bonds of the First Indian War Loan, purchased on behalf of Municipal employés											65,595 0 0
												1,03,75,881 3 10

* For face purchase and market values of each type of securities held in the Special Funds, please see Appendix No. 5A, attached.

P. W. MONIE,
Municipal Commissioner.

Appendix No. 5A.

Comparison of Face, Purchase and Market Values at 31st March 1918 of the different securities held in the Special Funds.

Name of Fund.	Particulars of Securities.	Face value.	Purchase rate.	Actual cost at Purchase rate.	Estimated Market rate.	Value at Market rate.
		Rs.		Rs. a. p.		Rs. a. p.
Municipal Fire and Accident Insurance Fund.	3½ per cent. Government Paper..	2,20,200	Par	2,20,200 0 0		
	Do. do. ...	500	$105\frac{4}{16}$ per cent.	526 9 0		
	Do. do. ...	6,000	$103\frac{3}{4}$,,	6,225 0 0		
	Do. do. ...	500	101 ,,	505 0 0		
	Do. do. ...	6,500	$98\frac{13}{16}$,,	6,414 11 0		
	Do. do. ...	10,000	$98\frac{1}{2}$,,	9,850 0 0	68 %	1,71,156 0 0
	Do. do. ..	500	$98\frac{3}{4}$,,	491 14 0		
	Do. do. ...	3,000	$96\frac{3}{4}$,,	2,898 12 0		
	Do. do. ...	1,000	$96\frac{3}{8}$,,	963 12 0		
	Do. do. ...	3,000	$96\frac{1}{4}$,,	2,887 8 0		
	Do. do. ...	500	96 ,,	480 0 0		
		2,51,700		2,51,143 2 0		1,71,156 0 0
Worn-out Water Mains Renewal Fund.	3½ per cent. Government Paper.	30,500	$103\frac{3}{4}$ per cent.	31,648 13 0		
	Do. do. ...	5,02,000	Par	5,02,000 0 0		
	Do. do. .	43,500	$98\frac{11}{16}$ per cent.	42,929 1 0		
	Do. do. ...	7,000	$98\frac{3}{4}$,,	6,886 4 0	68%	4,19,900 0 0
	Do. do. ..	5,000	$96\frac{1}{4}$,,	4,831 4 0		
	Do. do. ...	28,000	$96\frac{3}{16}$,,	26,972 8 0		
	Do do. ...	1,500	$96\frac{3}{4}$,,	1,446 10 0		
		6,17,500		6,16,668 7 0		4,19,900 0 0
	Carried over ...	8,68,200		8,68,111 9 0		5,91,056 0 0

Appendix No. 5A—*concluded.*

Name of Fund.	Particulars of Securities.	Face value.	Purchase rate.	Actual cost at Purchase rate.	Estimated Market rate.	Value at Market rate.
		Rs.		Rs. a. p.	Par	Rs. a. p.
	Brought forward ...	8,69,200		8,68,111 9 0		5,91,056 0 0
Net Premia, &c., on different Municipal Loans.	3½ per cent. Government Paper.	500	103¾ per cent.	518 12 0		
	Do. do. ...	5,000	96⅛ „	4,831 4 0		
	Do. do. ...	23,000	96⅝ „	22,166 4 0	68%	1,89,176 0 0
	Do. do. ...	3,500	96¼ „	3,364 6 0		
	Do. do. ...	2,46,200	Par	2,46,200 0 0		
		2,78,200		2,77,080 10 0		1,89,176 0 0
Municipal Lands and Buildings Fund.	3½ per cent. Government Paper..	3,49,000	Par	3,49,000 0 0	68%	2,37,320 0 0
	Grand Total ...	14,96,400		14,94,192 3 0		10,17,552 0 0

W. E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

Appendix

CAPITAL FUND BALANCE

	Rs. a. p.	Rs. a. p.	Rs. a. p.
Loans Outstanding :—			
Due to Government	.....	21,37,633 9 9	
Due to the Public: -			
Rs. 26,94,000 Drainage Loan of 1878	2,60,500 0 0		
44 Lakhs Sanitary Works Loan of 1885-86	37,39,000 0 0		
7 Lakhs Sanitary Works Loan of 1888	7,00,000 0 0		
147 Lakhs Tansa Water Works Loan	1,47,00,000 0 0		
12 Lakhs Drainage and Water Works Loan	12,00,000 0 0		
Rs. 10,08,500 Miscellaneous Works Loan	10,08,500 0 0		
Rs. 2,48,000 Agripada House Sullage Water Connections Loan	2,48,000 0 0		
55 Lakhs various Sanitary Works Loan	55,00,000 0 0		
8 Lakhs Municipal Building Loan	8,00,000 0 0		
4½ Lakhs Fire Brigade Quarters and Stations Loan	4,50,000 0 0		
42 Lakhs Loan for repayment of Balance of Government Consolidated Loan	42,00,000 0 0		
23¼ Lakhs Drainage and other Works Loan	23,25,000 0 0		
15¾ Lakhs for the construction of Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works	15,75,000 0 0		
25 Lakhs Loan for Sewerage, Water and other Sanitary Works.	25,00,000 0 0		
Loan of Rs. 20 Lakhs for Plague charges	20,00,000 0 0		
19¼ Lakhs Loan for Sewerage, Roads and other Sanitary Works	19,25,000 0 0		
24¾ Lakhs Loan for Sewerage and Water Works	24,75,000 0 0		
12¾ Lakhs Loan for certain Water Works of 1904-05	12,75,000 0 0		
2nd 24¾ Lakhs Loan for certain Sewerage Works	24,75,000 0 0		
13½ Lakhs Loan for the construction of Quarters for Halal-khores and Biggaries	13,50,000 0 0		
15 Lakhs Loan for Street Improvements	15,00,000 0 0		
30 Lakhs Loan for the acquisition of sites for the construction of various overbridges in the City	30,00,000 0 0		
55 Lakhs Loan for Miscellaneous Works	55,00,000 0 0		
70 Lakhs Loan for the Reduplication of Tansa Main and other Auxiliary Works	70,00,000 0 0		
20 Lakhs Loan for Street Improvements	20,00,000 0 0		
43 Lakhs Loan for Drainage, Water, Roads and Miscellaneous Works	43,00,000 0 0		
		7,20,06,000 0 0	
			7,41,43,633 9 9
Carried forward Rs ...			7,41,43,633 9 9

No. 6.

SHEET AS AT 31ST MARCH 1918.

				Rs. a. p.	Rs. a. p.
Block Account.—					
Property and Assets at original cost as per Appendix No. 8					8,12,51,031 3 5
Unbooked Property.—					
Provisional figure as per valuation of 1884 pending revaluation now in progress					45,37,835 11 11
Land Transferred.—					
Bombay Improvement Trust					17,15,289 5 11
Investments.—					
SINKING FUND:—					
	Face Value.	Actual Cost.	Cash Deposits.		
	Rs. a. p.	Rs. a. p.	Rs. a. p.		
5% LOANS SINKING FUND DEPOSIT ACCOUNT—					
5% Municipal Debentures.	36,60,500 0 0	36,60,500 0 0			
4% Do. do. ...	4,47,000 0 0	4,47,000 0 0			
4% Bombay Improvement Trust Debentures ...	23,30,500 0 0	23,30,500 0 0			
4% Bombay Port Trust ...	.....	.....			
4% Sterling B. I. T. Bonds for £ 25,000... ...	.....	.....			
4% Government Paper of the Conversion Loan of 1916-17	24,00,000 0 0	24,00,000 0 0			
Total ...	88,38,000 0 0	88,38,000 0 0	185 12 7	88,38,185 12 7	
4% LOANS SINKING FUND DEPOSIT ACCOUNT (3½% BASIS)—					
4% Municipal Debentures.	59,66,000 0 0	59,65,868 2 0			
4% Bombay Improvement Trust Debentures ...	5,39,000 0 0	5,39,000 0 0			
4% Bombay Port Trust ...	5,53,000 0 0	5,53,000 0 0			
4% Government Paper of the Conversion Loan of 1916-17	.....	.....			
5½% Government Paper... Indian War Bonds 1920...	12,18,600 0 0	12,18,600 0 0			
Total ...	82,76,600 0 0	82,76,468 2 0	145 3 7	82,76,613 4 7	
			Sinking Fund carried forward Rs.	1,71,14,799 1 2	
			Carried over Rs. ...		8,75,04,156 5 3

Appendix

CAPITAL FUND BALANCE

		Rs. a. p.	Rs. a. p.
Brought over Rs. ...		.....	7,41,43,633 9 9
Bombay Improvement Trust.—			
Book Value of Municipal Land at Agripada Transferred...		.....	17,15,289 5 11
			7,58,58,922 15 8
Surplus—			
CAPITAL ASSETS AT ORIGINAL COST OVER LIABILITIES :—			
Sinking Funds on Loans		1,97,26,287 2 5	
Loans repaid, etc.		82,54,965 8 6	
Unbooked Property		45,37,835 11 11	
Contributions from Special Funds		8,31,231 0 3	
„ „ G. I. P. Ry.		3,74,000 0 0	
„ „ Port Trust...		1,56,500 0 0	
„ „ Government for Schools...		2,30,000 0 0	
„ „ Water Mains Renewal Fund		2,11,579 9 9	
Premia on Loans		2,93,848 11 11	
Total Rs. ...		3,46,16,247 12 9	
Deduct—			
Plague Loan	20,00,000 0 0		
Assets Written off	2,92,469 15 0		
		22,92,469 15 0	
			3,23,23,777 13 9
Total Rs. ...			10,81,82,700 13 5

W. E. WAITE,
Chief Accountant.

No. 6—*concluded.*

° SHEET AS AT 31ST MARCH 1918.

				Rs. a. p.	Rs. a. p.
			Brought over Rs. ...		8,75,04,156 5 3
			Sinking Fund brought over Rs.	1,71,14,799 1 2	
	Face Value.	Actual Cost.	Cash Deposit.		
4 % LOANS SINKING FUND DEPOSIT ACCOUNT (3 % BASIS)—					
4 % Government Paper of the Conversion Loan of 1916-17	.....	.....			
3½ % Government Paper.	.....	.....			
4 % Bombay Improvement Trust Debentures ...	.....	.....			
4 % Municipal Debentures	22,54,000 0 0	22,54,000 0 0			
4 % Bombay Port Trust Debentures	.....	.....			
Total ...	22,54,000 0 0	22,54,000 0 0	31 5 3	22,54,031 5 3	
3½% LOANS SINKING FUND DEPOSIT ACCOUNT—					
4% Municipal Debentures.	.....	.....			
4% Bombay Improvement Trust Debentures ...	3,60,000 0 0	3,57,201 9 0			
3½% Government Paper...	.....	.....			
Total ...	3,60,000 0 0	3,57,201 9 0	255 3 0	3,57,456 12 0	(a)1,97,26,287 2 5
SURPLUS LOAN FUNDS—					
Cash on deposit and current Accounts with Banks ...				9,62,257 5 9	‡9,52,257 5 9
Total Rs. ...					10,81,82,700 13 5

‡ Of this Rs. 58,549-0-10 belong to Water Works Account.

(a) For face and market value of each type of security held in the Sinking Funds, please see Appendix No. 6A attached.

P.W. MONIE,
Municipal Commissioner.

Appendix No. 6A.

Comparison of Face, Purchase and Market Values at 31st March 1918 of the different Securities held in the Sinking Funds.

N. B.—Special attention is invited to para. 40 of Chief Accountant's Report.

Name of Fund.	Particulars of Securities.	Face value.	Purchase rate.	Actual cost at Purchase rate.	Market rates.	Value at Market rates.
		Rs.		Rs. a. p.		Rs. a. p.
5 per cent. Loans Sinking Fund Deposit Account.	5 per cent. Municipal Debentures.	36,60,500	Par	36,60,500 0 0	Par	36,60,500 0 0
	4 per cent. Municipal Debentures.	4,47,000	„	4,47,000 0 0	76%	3,39,720 0 0
	4 per cent. Bombay Improvement Trust Debentures.	23,30,500	„	23,30,500 0 0	76%	17,71,180 0 0
	4 per cent. Government Paper of the Conversion Loan of 1916-17.	24,00,000	„	24,00,000 0 0	78%	18,72,000 0 0
	Total Rs. ...	88,38,000		88,38,000 0 0		76,43,400 0 0
4 per cent. Loans Sinking Fund Deposit Account (3½ per cent. Basis).	4 per cent. Municipal Debentures.	58,88,500	Par	58,88,500 0 0		
	Do. ...	500	102 per cent.	510 0 0		
	Do. ...	7,500	101¼ „	7,631 4 0		
	Do. ...	500	99 „	495 0 0		
	Do. ...	500	98⅔ „	493 12 0		
	Do. ...	4,500	98 „	4,410 0 0		
	Do. ...	5,000	97¼ „	4,862 8 0		
	Do. ...	3,000	97 „	2,910 0 0		
	Proportionate value	56,000		56,055 10 0		
		59,66,000		59,65,868 2 0	76%	45,34,160 0 0
	4 per cent. Bombay Improvement Trust Debentures.	5,39,000	Par	5,39,000 0 0	76%	4,09,640 0 0
	4 per cent. Bombay Port Trust...	5,53,000	„	5,53,000 0 0	76%	4,20,280 0 0
	5½ per cent. Indian War Bonds...	12,18,600	„	12,18,600 0 0	Par	12,18,600 0 0
	Total Rs. ...	82,76,600		82,76,468 2 0		65,82,680 0 0
	Carried over Rs. ...	1,71,14,600		1,71,14,468 2 0		1,42,26,080 0 0

Appendix No. 6A—*concluded.*

Name of Fund.	Particulars of Securities.	Face value.	Purchase rate.	Actual cost at Purchase rate.	Market rates.	Value at Market rates.
		Rs.		Rs. a. p.		Rs. a. p.
	Brought forward ...	1,71,14,600		1,71,14,468 2 0		1,42,26,080 0 0
4 per cent. Loans Sinking Fund Deposit Account (3 per cent. Basis).	4 per cent. Municipal Debentures.	22,54,000	Par	22,54,000 0 0	76%	17,13,040 0 0
	Total Rs. ...	22,54,000		22,54,000 0 0		17,13,040 0 0
3½ per cent. Loans Sinking Fund Deposit Account.	4 per cent. Bombay Improvement Trust Debentures.	2,38,700	Par	2,38,700 0 0		
	Do ...	500	101 11/16 per cent.	508 7 0		
	Do. ...	500	101 1/8 ,,	505 10 0		
	Do. ...	3,600	101 ,,	3,636 0 0		
	Do. ...	11,500	100 7/8 ,,	11,600 13 0		
	Do. ...	800	99 1/4 ,,	794 0 0		
	Do. ...	500	99 1/8 ,,	495 10 0		
	Do. ...	600	98 7/16 ,,	590 10 0		
	Do. ...	4,500	98 3/8 ,,	4,426 14 0		
	Do. ...	12,100	98 1/4 ,,	11,888 4 0		
	Do. ...	29,300	98 3/16 ,,	28,768 15 0		
	Do. ...	600	98 1/8 ,,	588 12 0		
	Do. ...	13,700	97 1/8 ,,	13,391 12 0		
	Do. ...	700	97 9/16 ,,	682 15 0		
	Do. ...	1,100	97 1/2 ,,	1,072 8 0		
	Do. ...	500	96 7/8 ,,	484 6 0		
	Do. ...	12,000	96 3/4 ,,	11,580 0 0		
	Do. ...	12,700	96 5/16 ,,	12,231 11 0		
	Do. ...	700	96 1/16 ,,	672 7 0		
	Do. ...	500	96 ,,	480 0 0		
	Do. ...	500	95 13/16 ,,	479 1 0		
	Do. ...	500	95 11/16 ,,	478 7 0		
	Do. ...	700	95 5/8 ,,	667 10 0		
	Do. ...	1,300	94 3/4 ,,	1,187 0 0		
	Do. ...	12,000	94 1/2 ,,	11,340 0 0		
	Total Rs. ...	3,60,000		3,57,201 9 0	76 %	2,73,600 0 0
	Grand Total Rs. ...	1,97,28,600		1,97,25,669 11 0		1,62,12,720 0 0

W.E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

Appendix

STATEMENT showing (1) the various Municipal Loans and their Amounts, (2) the Expenditure meet the cost of New Works, &c., and (4) Invested

Serial No.	NAME AND DATE OF LOAN.	Amount raised.	Transferred to meet the cost of New Works provided out of savings.	Net Amount available for expenditure.	A—Buildings, Lands and Sanitary Structures.	B—Roads and Over-Bridges.
	1	2	3	4	5	6
		Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1	Drainage Loan of 1878	26,94,000	—24,719 6 0	26,69,280 10 0	....	....
2	Surface Drainage Works	6,00 000	....	6,00,000 0 0	....	....
3	Sanitary Works Loan (44 lakhs)..	44,00,000	—77,275 8 8	43,22,724 7 4	87,110 9 6	1,41,500 1 2
4	Tansa Water Works (147 lakhs)	1,47,00,000	—4,496 1 0	1,46,95,503 15 0	....	....
5	Sanitary Works Loan of 1887-88..	7,00,000	—95,421 10 8	6,04,578 5 4	....	....
6	Sewerage Works and Water Supply Improvement (12 lakhs)	12,00,000	—2,18,531 7 10	9,81,468 8 2	....	....
7	Markets and other Miscellaneous Works (Rs. 10,08,500) ..	10,08,500	—2,57,299 4 8	7,51,200 11 4	4,86,306 2 8	89,693 6 8
8	House Sullage Water Connections, Agripada..	2,48,000	—14,466 3 2	2,33,533 12 10	....	....
9	Various Sanitary Works (35 lakhs)	35,00,000	—3,83,724 7 4	31,16,275 8 8	5,85,193 12 2	14,91,224 2 3
10	New Municipal Office Building (8 lakhs)	8,00,000	—68,939 13 0	7,33,060 3 0	17,33,060 3 0	....
11	Fire Brigade Quarters and Stations (4½ lakhs)	4,50,000	46,679 9 11	4,03,320 6 1	4,03,320 6 1	....
12	Drainage Water Works, Roads and other works (28¾ lakhs)	28,26,000	2,77,249 3 7	25,47,750 12 5	....	1,47,734 9 4
13	Sewerage, Wari Bunder, &c., Roads, Burial-ground and certain Water Works (15¾ lakhs)	15,75,000	—3,09,684 2 5	12,65,315 13 7	....	13,48,746 6 10
14	Sewerage Water and other Sanitary Works (25 lakhs) ..	25,00,000	—37,383 11 0	24,62,616 5 0	....	....
15	Plague Charges (20 lakhs)..	20,00,000	....	20,00,000 0 0	....	....
16	Sewerage, Roads and other Sanitary Works (19½ lakhs) .	19,25,000	—2,25,808 11 0	16,99,191 5 0	....	....
17	Sewerage and Water Works (24½ lakhs)	24,75,000	—3,91,571 4 0	20,83,428 12 0	....	....
18	Certain Water Works (12¾ lakhs)	12,75,000	—1,70,172 8 5	11,04,827 7 7	....	....
19	Sewerage Works (2nd 24½ lakhs)..	24,75,000	—2,40,266 9 9	22,34,733 6 3	....	....
20	Construction of Quarters for Hafalcores and Bigaries (13½ lakhs)	13,50,000	—71,109 10 11	12,78,890 5 1	11,50,458 13 9	....
21	Street Improvements (15 lakhs)	15,00,000	....	15,00,000 0 0	....	15,00,000 0 0
22	Acquisition of sites for the construction of various Over-bridges in the City (30 lakhs)	30,00,000	....	30,00,000 0 0	....	24,80,106 8 5
23	Miscellaneous Works (55 lakhs)..	55,00,000	—3,36,990 5 11	51,63,009 10 1	8,97,393 2 7	1,73,261 4 8
24	Tansa Reduplication and Auxiliary Works (70 lakhs) ..	70,00,000	....	70,00,000 0 0	....	....
25	Street Improvements (20 lakhs)	20,00,000	....	20,00,000 0 0	....	17,70,953 5 11
26	Drainage, Water, Roads and Mis. Works (43 lakhs) ..	43,00,000	—3,22,594 9 11	39,77,405 6 1	4,95,396 15 7	2,28,964 4 0
		(*) 7,15,00,500	—35,72,324 5 2	6,79,28,115 10 10	48,39,045 1 4	83,75,172 13 9
27	Works executed out of Savings on Loans	....	....	35,72,384 5 2	4,93,919 11 11	4,93,122 0 10
	Total Rs. ..	....	....	7,15,00,500 0 0	53,32,964 13 3	88,68,294 14 7

* Including Rs. 1,94,631-13-3 written off in 1902-03 on account of properties not then existing.

† Excluding Rs. 7,34,325-5-3 paid out of the Invested Fund.

‡ Excluding Rs. 1,56,500-0-0 contributed by the Port Trust.

†† Including Rs. 98,438-1-9 written off in 1902-03 on account of properties not then existing.

§ Including Rs. 20,00,000 paid on account of Plague charges.

¶ Excluding Rs. 2,40,000 paid out of the Premia received on the Loan.

W. E. WAITE,
Chief Accountant.

No. 7.

incurred against each of them, (3) the Amounts withdrawn temporarily from their unutilized Balances to Balances of the Loans on 31st March 1918.

EXPENDITURE ON WORKS UPTO 31ST MARCH 1918.						Balance unexpended on 1st April 1918.	Amount advanced to meet the cost of sanctioned New Works, for which loans are to be raised.	Balances invested.
C—Drainage.	D—Water Works.	E—Cemeteries (Burning and Burial grounds).	F—Disposal of Town Sweepings.	G—Miscellaneous.	Total Amount expended on works upto 31st March 1918.			
7	8	9	10	11	12	13	14	15
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
16,52,410 12 9	10,16,880 13 3	....	....	....	26,69,290 10 0	....	....	.....
1,00,000 0 0	....	....	..	....	6,00,000 0 0	....	....	.....
1†21,98,100 0 8	18,95,947 12 0	....	....	....	43,22,724 7 4	....	....	.....
.... 0	1,46,95,804 15 0	....	....	...	1,16,95,503 15 0	....	....	.....
4,62,337 0 0	1,12,241 5 4	....	....	...	6,04,578 5 4	...	..	.....
9,01,457 3 2	80,921 5 0	....	....	....	9,82,186 8 2	....	....	.....
58,398 14 10	1,16,214 7 2	....	....	....	7,51,201 11 4	.	....	.....
2,38,533 12 10	....	..	....	....	2,33,533 12 10	....	....	.....
13,964 7 3	8,27,079 9 10	....	1,88,913 8 8	....	31 16,275 8 8	....	..	.....
....	....	....	....	....	7,33,000 0 0	....	....	.....
....	....	....	....	....	4,03,321 6 1	....	....	.....
17,41,602 15 5	1,49,522 0 7	....	5,89,911 1	....	29,47,750 12 7	....	..	....
5,69,977 1 0	1 12 13 1	2,11,652 4 5	....	....	11 4 317 10 1	1,21,59 3 6	1,22,38 3 1	.....
11,25,083 14 4	2,04,164 6	3,49,284 0 0	7,84,000 0 0	....	24,62,016 5 4	....	....	.....
....	....	....	....	20,00,000 0 0	2 ,00,000 0 0	..	....	.... ..
14,58,566 3 4	....	47,650 4 9	53,619 13 4	4,415 8	15,50,31 13 6	1,39,878 7 6	1,39,878 7 6	.....
17,16,59 0 7	2,54,554 8 11	.. .	..	....	19,71,1 0 9 6	1,1 ,278 2 6	1,12 278 2 6	. ....
....	10,97,621 . 1	.. .	....	...	10,97,621 7 1	7,20 0 0	7 20 0 0	.....
18,47,307 6 3	....	...	....	....	18.47,307 6 3	3,47,426 0 0	3 47,42 0 0	... ..
...0	....	....	...	...	11.50,458 13 9	1 28 431 7 4	1,28,431 7 4	... ..
....	....	....	....	...	15,00,000 0 0		..	.....
....	....	....	....	. ..	22,83 106 3 5	5,16,883 12 7	5 16,883 12 7	.....
31,43,884 6 1	3,71,144 7 3	93,831 1 6	. .	58,.7 15 9	47,.7,280 5 10	4,25,729 4 3	4 25,729 4 3	.....
....	70,00,000 0 0	....	....	....	70,00,000 0 0	..	....	.....
...	....	....	....	...	17.70,958 6 11	2,29,046 9 1	2,29,046 9 1	.....
20,21,884 1 3	97,5 3 3 6	....	....	1,52,949 11 1	29.96,893 3 5	9,80,807 2 8	2,39,911 10 7	7,40,895 8 1
1,97,41,837 2 9	2,79,0 ,256 4 5	7,02,.81 10 3	10,42,424 4 1	22,16,264 3 4	6,18,77,420 8 11	20,50,695 1 11	23,01,729 9 1	7,40,895 8 1
13,34,502 7 6	9,61,135 3 0	23,278 9 6	38,684 2 0	21,602 4 7	33,56,334 7 6	2,06,049 13 8	....	2,06,049 13 6
2,10,76,429 11 2	2,89,21,391 7 9	7,25,769 3 9	10,81,108 6 1	22,37,864 7 11	6,82,43,756 0 5	22,56,744 15 7	23,59,799 9 10	9,46,945 5 9
				Less—Old Workshops and stores shed (Amount of old corrugated sheets transferred to New Municipal workshops) Rs. .		*Cr.* 5,812 0 0	5,812 0 0	....	5,812 0 0
					Total Rs. ..	6,82,38,443 0 5	32,62,455 15 7	123,09,799 9 10	9,52,257 5 9
				Add—Amount of Advances in column 14 .		23,00,799 9 10			
					Grand Total Rs.	7,05,48,242 10 3 (*b*)			

(*a*) Amount of Loans raised .. .. Rs. 7,15 00,000 0 0

(*b*) Amount expended.. .. .. ,, 7,05,48,242 10 3

Invested Balance (*vide* Appendix 6, page 75) .. .. Rs. 9,52,257 5 9

‡ Of this Rs. 1,59,233-11-7 belong to Water Works Account.

P. W. MONIE,
Municipal Commissioner.

Appendix No. 8.

Block Account showing details of Capital Expenditure up to 31st March 1918.

	Capital Expenditure up to 31st March 1917.	Expended during the year.	Total Capital Expenditure up to 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—BUILDINGS, LANDS AND SANITARY STRUCTURES—				
MARKETS AND SLAUGHTER HOUSES—				
Extending and Improving the Arthur Crawford Market	...	1,409 1 7	1,409 1 7	
Bandra Slaughter Houses	2,34,297 12 8	.....	2,34,297 12 8	
Null Bazar Market	1,50,770 1 7	... ..	1,50,770 1 7	
Fort Market	22,066 7 11	.....	22,066 7 11	
Arthur Crawford Market	11,39,410 11 6	.....	11,39,410 11 6	
Market at Colaba	1,22,453 15 11	.....	* 1,22,453 15 11	
Extension of Erskine Road Market ...	4,31,666 11 11	.....	† 4,31,666 11 11	
Extension of the Arthur Crawford Mutton Market	42,754 2 9	.....	42,754 2 9	
Bhuleshwar Market Extension	3,22,817 1 11	.....	3,22,817 1 11	
Labourers' Quarters in connection with the Arthur Crawford Market ...	9,518 14 3	.....	9,518 14 3	
Foras Road Market	40,499 14 11	.....	40,499 14 11	
Construction of shops on the western and southern sites at the Arthur Crawford Markets, Hornby Road ...	4,822 7 10	... .	4,822 7 10	
Renewing the two blocks of the Butchers' Chawl at the Bandra Slaughter Houses	22,020 5 4	.....	22,020 5 4	
Currey Road Market	15,252 5 10	.....	15,252 5 10	
Market at Chowpatti	63 0 0	...	63 0 0	
Market at Elphinstone Road	15,242 13 8	.....	15,242 13 8	
Constructing a Chawl of 52 rooms at the Bandra Slaughter Houses ...	31,240 0 8	.....	31,240 0 8	
Market at Kamatipura	50,644 11 2	.....	50,644 11 2	
	26,55,541 11 10	1,409 1 7	26,56,950 13 5	
FIRE BRIGADE—				
Land and Buildings for Fire Brigade ...	4,03,320 6 1	.....	4,03,320 6 1	
Construction of additional quarters for the Fire Brigade Staff at Byculla Fire Brigade Station	30,995 8 8	.....	30,995 8 8	
Construction of an Engine House and Foreman's quarters at the Sankli Tank Fire Brigade Station	26,552 13 0	.....	26,552 13 0	
Constructing additional rooms and adding a storey over several Fire Brigade Stations to provide accommodation for additional staff ...	12,437 5 7	... ..	12,437 5 7	
Construction of a Fire Brigade Station at Elphinstone Bridge Road	62,608 13 5	.....	62,608 13 5	
Providing living and other accommodation at the Gowalia Tank Road, Babula Tank, Chinchpokli and Sankli Tank Fire Brigade Stations ...	12,527 2 2	.....	12,527 2 2	
Constructing Lascars' Quarters, &c., at Gowalia Tank Fire Brigade Station .	8,983 1 10	.....	8,983 1 10	
Constructing new quarters for an Engineer and ten Lascars at Sankli Tank Fire Brigade Station	13,537 13 11	.....	13,537 13 11	
Construction of a cook-room in connection with the existing Engineer's Quarters and two nahanis in connection with the Lascars' quarters at Sankli Tank Fire Brigade Station ..	1,382 10 8	.....	1,382 10 8	
Construction of an additional storey over the Bhuleshwar Fire Brigade Station	6,902 12 3	.....	6,902 12 3	
Acquisition of land for a new Fire Brigade Station for the Fort District.	95,600 0 0	.....	95,600 0 0	
	6,74,848 7 2	.....	6,74,848 7 2	
WORKSHOPS—				
Workshop and Store shed	1,49,079 7 1	*Cr.* 5,312 0 0	1,43,767 7 1	
Construction of new Municipal Workshops at Foras Road	4,57,045 8 7	38,431 9 5	4,95 477 2 0	
	6,06,124 15 8	33,119 9 5	6,39,244 9 1	
A.—Buildings, Lands and Sanitary Structures—carried over ... .. Rs. ...	39,86,515 2 8	34,528 11 0	39,71,043 13 8	

* Inclusive of Rs. 21,940 paid out of the premia received on the loan, and Rs. 28,060 paid out of savings on different loans.
† Inclusive of Rs. 31,666-11-11 paid out of the premia received on the loan.

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs.
A.—Buildings, Lands and Sanitary Structures—brought forward ... Rs. ...	39,86,515 2 8	34,528 11 0	39,71,043 13 8	
STABLES, CHAWLS AND QUARTERS (HEALTH DEPARTMENT)—				
Enlargement of Dhobi lines at Mahalaxmi	28,499 12 3	... ...	28,499 12 3	
Chawl for Gowlies working at the Agripada Milch-Cattle stables ...	6,129 13 6	.....	6,129 13 6	
Health Department stables at Bori Bunder	43,677 13 3	.....	43,677 13 3	
Establishment charges for the above three works	8,803 2 6	.....	8,803 2 6	
Health Department Bullock stables and Quarters for scavengers	1,23,897 4 11	...	1,23,897 4 11	
Chawl for halalkhores in Cursetji Suklaji Street	88,460 8 2	.....	88,460 8 2	
Construction of chawls, &c., for halalkhores at Valpakhadi (Mazagon) ...	2,31,478 6 9	.....	2,31,478 6 9	
Construction of semi-permanent huts for biggaries at Arthur Road ...	28,379 0 10	... ...	28,379 0 10	
Construction of chawls for halalkhores, &c., at Cochin Street, Fort	66,554 5 6	.....	66,554 5 6	
Construction of stables for the Health Department on the Grant Road Hospital site	47,334 4 7	...	47,334 4 7	
Construction of the Sankli Tank Bullock Hospital with residential quarters for Inspector and Shalotri	1,34,428 6 6	.....	1,34,428 6 6	
Construction of a stable for bullocks of Night Branch and an office at Arthur Road	64,655 2 4	.....	64,655 2 4	
Construction of stables and chawls for B Ward at Jail Road, North... ...	1,65,522 11 4	...	1,65,522 11 4	
Construction of stables and chawls for D Ward bullocks and biggaries at Annesley Road...	1,37,998 10 3	.....	1,37,998 10 3	
Construction of Chawls for Biggaries at Arthur Road	1,22,312 8 9	.....	1,22,312 8 9	
Construction of a stable for E Ward, West of Kamatipura	62,232 15 4	.....	62,232 15 4	
Construction of semi-permanent huts for halalkhores at Tardeo Flats ...	99,535 15 4	39,882 8 1	1,39,418 7 5	
Construction of a stable for bullocks at Mahim	81 9 0	... ...	81 9 0	
Acquisition of land and properties at Jail Road, North, for the construction of stables and chawls for the Health Department	1,92,581 0 0	.....	1,92,581 0 0	
Construction of two additional chawls for biggaries at Chembur ...	17,122 12 10	.....	17,122 12 10	
Health Department stables in F and G Wards	63,120 8 2	.....	63,120 8 2	
Health Department biggaries' chawl at Bori Bunder	50,058 0 7	.....	50,058 0 7	
Acquisition of land at Colaba as a site for quarters for Halalkhores	4,312 15 5	.....	4,312 15 5	
Construction of semi-permanent quarters for halalkhores on the Foras Tank site	85,667 9 1	3,515 13 2	89,183 6 3	
Construction of chawls for the Health Department biggaries of F Ward ...	65,145 2 7	11,742 1 5	76,887 4 0	
Construction of chawls for halalkhores and biggaries at Valpakhady ...	10,562 1 8	58,500 0 0	69,462 1 8	
Chawls for Health Department biggaries at Paltan Road	1,726 7 3	314 15 9	2,041 7 0	
	18,95,678 11 8	1,13,955 6 5	20,09,634 2 1	
SCHOOL BUILDINGS—				
Construction of buildings for Primary Schools	4,97,178 8 6	36,872 5 7	‡ 5,34,050 14 1	
MUNICIPAL OFFICE BUILDINGS—				
Municipal Office Buildings	14,67,886 11 3	.....	† 14,67,886 11 3	
A.—Buildings, Lands and Sanitary Structures—carried over ... ... Rs. ..	77,96,759 2 1	1,85,356 7 0	79,82,115 9 1	

‡ Inclusive of Rs. 2,30,000 paid by Government as part contribution, Rs. 2,00,000 paid upto 1915-16 and Rs. 30,000 during 1916-17.

† Inclusive of Rs. 7,34,326-8-3 paid out of the Invested Fund.

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	GRAND TOTAL
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—Buildings, Lands and Sanitary Structures—brought forward .. Rs. ...	77,96,139 2 1	1,85,356 7 0	79,82,111 9 1	
MISCELLANEOUS STRUCTURES—				
Girgaum Police Court (Share of) ...	34,000 0 0	.....	34,000 0 0	
Building a new office in Sankli Street for the use of the Assessment Department, E Ward Office, and constructing A Ward office, chowkidar's quarters and Store Room for the Streets and Buildings branch, E Ward, in Sankli Street	22,871 7 10	.....	22,871 7 10	
Building a new office at Dadar for the use of the Assessment Department, F and G Ward offices, and converting the existing ward office into a godown and providing latrines for the workmen	13,419 6 9	.....	13,419 6 9	
Construction of A Ward offices for the different branches of the Engineer's Department at Mint Road	20,850 6 6	.....	20,850 6 6	
Purchase of about 4,030 square yards of land at the junction of Bapty Road and Falkland Road belonging to the Tramway authorities...	1,17,071 11 6	.....	1,17,071 11 6	
Making alterations in the three permanent wards of the Arthur Road Hospital and in gas and other lighting arrangements in the compound, wards, &c., in the Arthur Road Hospital	21,955 10 9	... ..	21,955 10 9	
Construction of 25 bathing places in the City...	27,747 6 2	320 10 4	28,068 5 6	
Construction of Incinerators for Refuse destruction	71 7 7	.....	71 7 7	
Construction of new ward offices at Babul Tank for the Assessment and Health Departments	48 6 0	.. ...	48 6 0	
Latrines at Colaba	20,290 13 0	.....	20,290 13 10	
Providing latrines and urinals at different places	59,432 10 5	.....	59,432 10 5	
Providing accommodation, &c., for the General Stores...	38,256 5 7	.. ..	38,256 5 5	
Providing wooden racks in Block No. 2 of the Central Stores building at Chinchpokli	2,495 5 4	.....	2,495 5 4	
Constructing office quarters and store-room for Streets and Buildings Branch in G Ward at DeLisle Road on the site of Koras tank	19,391 14 9	.. ...	19,391 14 9	
Construction of 11 urinals on Port Trust ground near the Docks ...	6,502 13 2	.....	6,502 13 2	
Acquisition of a plot of land at Ormiston Road from the Bombay Electric Supply and Tramways Company, Limited, for a Metal Depôt ...	1,49,492 8 0	.....	1,49,492 8 0	
Acquisition of land for a stone depot on Golanji Hill	71,084 1 7	.....	71,084 1 7	
Providing bungalows for Engineers and quarters for servants and Engine Drivers at Love Grove Pumping Station	9,152 14 0	7,717 8 0	16,870 6 0	
Acquisition of land and buildings at Work Hill for the purpose of quarters for the Love Grove Station Engineering staff and filling in the vacant Municipal land required for Central Stores, Infectious Diseases Hospital, &c., out of the materials therefrom	1,78,852 0 0	*Cr.* 2,208 0 0	1,76,644 0 0	
	8,12,953 8 5	5,830 5 4	8,18,783 13 9	
A.—Buildings, Lands and Sanitary Structures—Total ... ... Rs. ...	86,09,712 10 6	1,91,186 12 4	88,00,899 6 10	
Carried over Rs. ...	86,09,712 10 6	1,91,186 12 4	88,00,899 6 10	88,00,899 6 10

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	GRAND TOTAL
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs....	86,09,712 10 6	1,91,186 12 4	88,00,899 6 10	88,00,899 6 10
B.—ROADS AND OVERBRIDGES—				
OVERBRIDGES—				
Widening Elphinstone Bridge	.....	30,807 4 8	30,807 4 8	
Overbridges	1,97,563 0 1	.....	1,97,563 0 1	
Falkland Road Bridge	15,082 9 4	.....	15,082 9 4	
Wari Bunder Bridge	1,32,652 0 0	.....	1,32,652 0 0	
Overbridge at Elphinstone Road, B. B. & C. I. P. Railways	2,57,163 14 1	.....	2,57,163 14 1	
Overbridge at Arthur Road, G. I. P. Railway...	1,96,754 4 7	... ...	1,96,754 4 7	
Overbridge at Currey Road, G. I. P. Railway...	5,38,436 12 1	*Cr.* 9,150 1 8	5,29,286 10 5	
Overbridge at Clerk Road, G. I. P. Railway...	2,86,055 2 7	...	2,86,055 2 7	
Overbridge at Clerk Road, B. B. & C. I. Railway	70,458 11 0	.....	70,458 11 0	
Overbridge at DeLisle Road	6,71,759 0 3	4,02,960 1 8	10,74,719 1 6	
Establishment, &c., charges for the above six overbridges	64,840 1 5	3,828 5 10	68,668 7 3	
Nesbit Road Bridge (portion of cost)...	49,844 8 0	.....	49,844 8 0	
	24,80,609 15 5	4,28,445 10 1	29,09,055 9 6	
CONSTRUCTION OF ROADS—				
Foras Road	1,12,418 14 10	... ...	1,12,418 14 10	
Nowroji Hill Road	57,913 3 0	...	57,913 3 0	
Road from Bellasis Road across Old Race Course (including Establishment charges)	1,41,590 1 2	... ...	1,41,590 1 2	
Cross Road at Mahaluxmi Station from Clerk Road to Haines Road...	19,594 4 8	... ...	19,594 4 8	
Road through Nowroji Hill from Elphinstone Bridge to Dongri Street	70,089 2 0	.....	70,089 2 0	
Roads and Streets in Agripada and elsewhere	11,67,006 2 10	.....	11,67,006 2 10	
New Road from Jakeria Bunder Road to Sewri Cemetery)	24,217 15 11	.....	24,217 15 11	
Wari Bunder Road	4,74,349 12 6	*Cr.* 80 0 0	† 4,74,349 12 6	
Victoria Road Extension	30,895 10 4	.....	30,895 10 4	
Construction of a new road through Cavel from Girgaum Road to Kalbadevi Road upto the Church of Lady of Health	1,32,943 9 11	.....	1,32,943 9 11	
Widening of Cruickshank Road and improvement of the corner of Cruickshank and Elphinstone Roads ...	40,317 10 9	..	40,317 10 9	
Construction of a Road from the B. B. & C. I. Railway Matunga Station westward to Mahim including storm-water drains	1,86,816 12 9	*Cr.* 2,356 11 11	1,84,460 0 10	
Construction of a 60 feet road along Tulsi Pipe Line from DeLisle Road to Dadar Road including storm-water drains, and other roads	6,426 4 10	133 5 4	6,559 10 2	
Widening of Queen's Road from the Church Gate Railway Station to Wodehouse Bridge	37,944 9 0	.....	37,944 9 0	
Providing and fixing new pattern hydrants for watering and Fire Brigade purposes	50,000 0 0	...	50,000 0 0	
Diversion of Arthur Road over the masonry culvert	16,266 11 1	... ...	16,266 11 1	
Construction of a road running eastwards from Lady Hardinge Road to the G. I. P. Railway new level crossing at Matunga and providing storm-water drain thereat	69,414 0 8	10,321 15 4	79,736 0 0	
Widening and improving Cumballa Hotel Lane and Gowalia Tank Road (Municipal contribution)	30,661 9 7	267 1 5	30,928 11 0	
Acquisition of land at different places as sites for new roads...	9,564 15 0	.....	9,564 15 0	
Construction of Roads—Carried over Rs.	29,69,421 6 10	8,285 10 2	29,77,707 1 0	
B.—Roads and Overbridges do. Rs.	24,80,609 15 5	4,28,445 10 1	29,09,055 9 6	
Carried over Rs.	86,09,712 10 6	1,91,186 12 4	88,00,899 6 10	88,00,899 6 10

† Inclusive of Rs. 1,56,500 contributed by the Port Trust.

Appendix No. 8—*continued.*

—	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure up to 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ..	86,09,712 10 6	1 91,186 12 4	88,00,899 6 10	88,00,899 6 10
B—Roads and Overbridges—Brought forward Rs. ..	24,80 609 15 5	4,28,445 10 1	29,0 ,055 9 6	
Construction of Roads, brought forward Rs.	29,69,421 6 10	8,285 10 2	29,77,707 1 0	
Lowering a portion of Masjid Bunder Road	.....	1,970 3 6	1,970 3 6	
Acquisition of land at Dadar	151 0 0	....	151 0 0	
Acquisition of 337·11 square yards of land from Mr. Sharifbhai Thavar for the construction of the road from Haines Road to Ripon Road... ...	2,295 14 7	...	2,295 14 7	
Acquisition of land at Maruti Lane ..	5,433 0 0	.....	5,433 0 0	
Acquisition of land at Goka Lane ..	7,038 7 0	.. ..	7,038 7 0	
Acquisition of 242·22 square yards near the Parel Station of the B. B. & C. I. Railway	1,695 8 8	.....	1,695 8 8	
Acquisition of land at King Lane ...	13,439 8 3	.....	13,439 8 3	
Do. at Fergusson Road Passage...	1,301 7 7	.....	1,301 7 7	
Acquisition of land at Hamalwadi ...	58,139 13 7	.....	58,139 13 7	
Do. at Clerk Road ...	5,330 12 10	.....	5,330 12 10	
Do. at Piru Lane ...	64,508 3 11	.....	64,508 3 11	
Do. at Goga Street ...	20,920 13 5	....	20,920 13 5	
Do. at the junction of Gun Carriage Street and Thomas Street	4,357 0 0	.....	4,357 0 0	
Acquisition of land at Nishanpada Road	610 15 3	....	610 15 3	
Acquisition of land at Chunam Kiln Cross Lane	573 13 5	.....	573 13 5	
Acquisition of land at Old Nagpada Street	1,817 3 11	.....	1,817 3 11	
Widening and extending Nesbit Road ..	28,217 10 7	1,29,185 9 0	1,57,403 3 7	
Widening of Worli Road from its junction with Haines and Fergusson Roads to the Worli Channel ...	81,236 9 10	16,567 7 4	97,804 1 2	
Construction of a road from Mount Road through Rose Cottage Lane to Matharpakhadi	45,620 9 2	.....	45,620 9 2	
	33,12,019 14 10	1,56,008 14 0	34,68,028 12 10	
STREET IMPROVEMENTS.				
Street Improvements in different places.	34,91,675 14 3	19,277 8 8	35,10,953 6 11	
Special Street Improvements	19,000 0 0	.....	19,000 0 0	
	35,10,675 14 3	19,277 8 8	35,29,953 6 11	
B—Roads and Overbridges—Total Rs.	93,03,305 12 6	6,03,732 0 9	99,07,037 13 3	99,07,037 13 3
C.—DRAINAGE WORKS—				
Fort Sewers	78,627 4 8	.....	78,627 4 8	
Kamatipura Drain	1,91,047 8 10	.....	1,91,047 8 10	
Drains in Fanaswadi and Agiary Lane.	1,852 12 3	.....	1,852 12 3	
Branch Sewers, Bellasis Road ...	7,102 6 1	.....	7,102 6 1	
Widening Love Grove Sluices ...	1,57,326 7 7	.....	1,57,326 7 7	
Culverts under the B. B. & C. I. Railway near Bellasis Road	1,791 0 8	.....	1,791 0 8	
Khetwadi Survey	5,599 10 0	.....	5,599 10 0	
Raising Level of Khetwadi Roads ...	28,855 0 1	.....	28,855 0 1	
Raising private compounds in Khetwadi	25,336 2 1	.....	25,336 2 1	
Three branch drains in Khetwadi and storm-water entrances	31,711 15 6	.....	31,711 15 6	
Intercepting drain in Tardeo District and storm-water entrances	1,69,851 10 4	.....	1,69,851 10 4	
Making connection between low-level sewers and new main drains... ...	2,610 8 10	.....	2,610 8 10	
Intercepting drain from Pydhoni to Bellasis Road and storm-water entrances	3,03,229 3 9	.....	3,03,229 3 9	
Enlarging old open main drain ...	71,318 13 5	.....	71,318 13 5	
Laying a new 24" main and removing old 24" Tulsi main	74,226 14 0	.....	74,226 14 0	
C—Drainage Works—Carried over Rs.	11,49,993 6 1	.....	11,49,993 6 1	
Carried over Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	Grand Total
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1
C—Drainage Works—Brought forward Rs.	11,49,998 6 1	.. ..	11,49,998 6 1	
Constructing storage reservoir on the Flats and raising levels of manholes and sewers	1,86,225 12 6	.....	1,86,225 12 6	
Establishment for Surface Drainage Works	1,21,418 0 0	.....	1,21,418 0 0	
Contingencies do. do. ...	63,627 6 11	.....	63,627 6 11	
Cleaning the Worli storm-water drain and widening the channels south of the Love Grove sluices	79,510 9 7	... ..	79,510 9 7	
Main sewers	4,92,691 8 2	.....	4,92,691 8 2	
Pipe sewers	3,00,746 13 1	.....	3,00,746 13 1	
Outfall sewer	2,55,766 10 0	.....	2,55,766 10 0	
Kamatipura drainage	76,471 4 6	.....	76,471 4 6	
Clerk Road Ovoid sewer	39,259 5 11	.....	39,259 5 11	
Government Commission charges for drainage of 1878	5,211 15 9	.....	5,211 15 9	
Preliminary expenses in connection with the drainage of 1878	13,429 6 5	.....	13,429 6 5	
Departmental works in connection with the drainage of 1878	1,072 1 3	.....	1,072 1 3	
Compensation for land in connection with the drainage of 1878	18,831 11 1	.....	18,831 11 1	
Proportion of repairs to roads (opened for the works) in connection with the drainage of 1878	34,372 14 7	.....	34,372 14 7	
Miscellaneous charges in connection with the drainage of 1878	22,302 15 7	... ..	22,302 15 7	
Establishment for works in connection with the drainage of 1878	1,45,000 0 0	.....	1,45,000 0 0	
Contingencies in connection with the drainage of 1878	51,167 7 9	.....	51,167 7 9	
Repairs to old Main Drain at Falkland Road	2,093 13 5	... ..	2,093 13 5	
House connections without privy fittings	6,32,080 1 7	.....	6,32,080 1 7	
Shaft ventilators	44,947 0 6	... ..	44,947 0 6	
Closing storm-water openings in Frere Road sewer	17,108 9 6	.....	17,108 9 6	
Queen's Road intercepting sewer ...	1,53,969 0 0	.....	1,53,969 0 0	
House connection survey	4,561 13 3	.....	4,561 13 3	
House connections, Kamatipura Drainage	34,977 7 5	.. ...	34,977 7 5	
Pipe sewer from Clare Road along south portion of Haines Road and DeLisle Road	1,14,260 0 7	.....	1,14,260 0 7	
Pipe sewer from Parel Workshop to Clerk Road Ovoid sewer	65,793 9 11	...	65,793 9 11	
Extension of Clerk Road Ovoid sewer to Parel Road	35,569 8 0	.....	35,569 8 0	
Ovoid sewer across the Old Race-course.	59,746 13 2	.....	59,746 13 2	
Ovoid sewer from the Crawford Market down Hornby Road to Bazar Gate and thence to the Mint.. ...	89,401 11 9	.....	89,401 11 9	
Establishment charges for sanitary works of 1885-1 86	1,25,178 0 0	. ..	1,25,178 0 0	
Adjustment of the extra expenditure incurred on the Queen's Road intercepting sewer	9,633 10 8	... ..	9,633 10 8	
Fort Drainage	3,68,422 5 9	.....	3,68,422 5 9	
New Works at Love Grove Pumping Station	34,645 9 6	.....	34,645 9 6	
Construction of a side drain along Wari Bunder Road	4,934 0 1	... ..	4,934 0 1	
Construction of a pipe sewer in certain lanes in Khetwadi	5,282 6 0	... ..	5,282 6 0	
Establishment charges for sanitary works of 1887 to 1888...	39,419 0 0	....	39,419 0 0	
Queen's Road pipe sewer including contingencies	6,09,998 4 2	... .	6,09,998 4 2	
Queen's Road house connections ...	2,05,306 0 9	.....	2,05,306 0 9	
Establishment and contingencies for Queen's Road sewerage works ..	86,182 14 3	.....	86,182 14 3	
Extension of Parel Road storm-water drains from Pellasis Road to Reda the length of Ripon Road	41,106 6 9	.	41,106 6 9	
9" Pipe sewer along Bellasis Road, Foras Road and Gilder Street ...	17,290 8 1	.....	17,290 8 1	
C—Drainage Works—Carried over Rs....	58,58,953 0 3	.....	58,58,953 0 3	
Carried over Rs...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1

Appendix No. 8—*continued*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March, 1918.	GRAND TOTAL
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1
C—Drainage Works, brought forward Rs.	58,58,958 0 3	....	58,58,958 0 3	
House sullage water connections at Agripada	2,33,533 12 10	.....	2,33,533 12 10	
Sewer flushing arrangements	13,864 7 3	.....	13,864 7 3	
Pumps and steam engine for the working of the Love Grove Pumping Station	4,63,845 8 6	.....	4,63,845 8 6	
Sewerage of Colaba	7,56,419 0 0	.....	7,56,419 0 0	
Sewerage of Umarkhadi District ...	3,53,786 5 9	... ...	3,53,786 5 9	
Storm-water drains in Moreland, Souter, Club and Gilder Streets	79,644 0 2	... .	79,644 0 2	
Storm-water drains in different places .	56,724 2 11	.....	56,724 2 11	
Storm-water drains in Connaught and Sussex Roads	35,923 15 9	... ..	35,923 15 9	
Miscellaneous extensions and improvements of drains	33,664 6 1	....	33,664 6 1	
Sewerage of the Mazagon District on gravitation system	3,06,680 0 5	.	3,06,680 0 5	
Sewerage of Malabar and Khambalta Hills on gravitation system	1,31,666 0 1	.. ...	1,31,666 0 1	
Sewerage of Fergusson Road and Chinchpokli District	89,829 8 5	.....	89,829 8 5	
Raising sewerage in Queen's Road sewer	1,862 0 0	. .	1,862 0 0	
Sewerage of Old Race-course District on gravitation system	39,039 8 1	.....	39,039 8 1	
Machinery for the sewerage of Parel, the Mazagon, &c., sectional districts.	7,35,520 6 6	.....	7,35,520 6 0	
Mazagon District, sectional	3,52,785 4 2	. ...	3,52,785 4 2	
Storm-water drain from Wellington Fountain *via* Bandstand to the Sea...	36,778 4 2	....	36,778 1 2	
Improvements in the roadside drains along Bhoiwada Cross Road and new side drains along portions of Dadar Road, &c.	29,856 14 11	.....	29,856 14 11	
Surface drainage of Kamatipura ...	83,440 9 2	.....	83,440 9 2	
Storm-water drain in Tardeo Road ...	1,56,542 11 3	....	1,56,542 11 3	
Low-level Channel from the Tardeo Flats to Worli Point	11,83,726 0 0	.. ...	11,83,726 0 0	
Sewerage of the Fergusson Road and Chinchpokli District on the sectional system	2,56,782 14 6	.....	2,56,782 11 6	
Sewerage of the Parel District on the sectional system	4,66,272 3 7	.....	4,66,272 3 7	
Completion of house drainage connections in different parts of the City ...	9,05,930 14 6	32,708 1 6	9,38,638 15 0	
Difference in the cost of the works proposed by Mr. Santo Crimp in connection with the drainage of the lower parts of the City	1,41,176 13 9	.....	1,41,176 13 9	
(17) Catchpits on pipe sewers	26,994 14 0	.....	26,994 14 0	
(17) Catchpits on ovoid sewers... ...	13,165 13 4	... ..	13,165 13 4	
Sewerage of the Malabar Hill District, sectional	6,39,948 0 0	.. ...	6,39,948 0 0	
Construction of a new outfall at Love Grove	15,03,124 1 2	2,27,333 14 4	17,30,457 15 6	
Sewerage of the Elphinstone Reclamation	2,05,999 10 11	.....	2,05,999 10 11	
Construction of storm-water drains in Marine Lines, from the northern end of the B. B. & C. I. Ry. Office to the junction of 1st Marine Lines ...	13,177 10 10	.....	13,17 10 10	
Providing an additional Pipe Sewer and Ejector in Fergusson Road near its junction at DeLisle Road (*North*).	70,071 10 9	. ...	70,071 10 9	
Construction of a storm-water drain in Arthur Road from its junction with Kalachowki Road to Jacob Circle... ...	65,453 14 7	...	65,453 11 7	
Extension of Low Level Channel No. 2 from DeLisle Road to Dadar Road ...	2,81,489 3 7	.....	2,84,489 3 7	
Constructing a storm-water drain in Colaba Causeway between Ormiston Street and Thomas Street	8,538 5 0	..	8,538 5 0	
Construction of a storm-water drain in DeLisle Road (*North*)...	48,396 3 3	... ..	48,396 3 3	
Provision of Ejectors in the Colaba Sub-District	1,08,804 6 15	.....	1,08,804 6 10	
C—Drainage Works—Carried over Rs.	1,58,24,912 10 9	2,60,041 15 4	1,60,84,954 10 1	
Carried over Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1
C—Drainage Works, brought forward Rs....	1,58,24,912 10 9	2,60,041 15 4	1,60,84,954 10 1	
Construction of a storm-water drain in DeLisle Road (*South*)	15,257 13 3	.....	15,257 13 3	
Extending the existing storm-water drain and constructing water gullies and water tables in Mazagon Road...	4,921 11 1	.....	4,921 11 1	
Constructing a storm-water drain in New Purbhadevi Road	33,746 5 0	.....	33,746 5 0	
Constructing storm-water drains in Khetwadi Back Road	25,650 3 11	.....	25,650 3 11	
Constructing a storm-water drain in Queen's Road from Wodehouse Road Bridge to Bandstand	11,086 9 4	.....	11,086 9 4	
Constructing a storm-water drain in Mayo Road from Queen's Statue to Church Gate Street	9,192 11 8	.....	9,192 11 8	
Constructing a storm-water drain in DeLisle Road, north of Arthur Road.	44,502 3 0	.....	44,502 3 0	
Constructing a storm-water drain in Mayo Road from Church Gate Street to Bandstand	21,182 3 3	.....	21,182 3 3	
Measures for relieving the surcharging of sewers	17,00,568 1 5	4,622 9 7	17,05,190 11 0	
Construction of a storm-water drain from the junction of Reay and Connaught Roads to the Harbour near Lakri Bunder	5,56,937 3 7	.....	5,56,937 3 7	
Construction of a storm-water drain in DeLisle Road, south of Arthur Road..	29,371 15 10	.....	29,371 15 10	
Construction of a storm-water drain in Elphinstone Road, West	12,771 5 2	.....	12,771 5 2	
Construction of a storm-water drain in Ghorupdeo Road	17,354 2 3	.....	17,354 2 3	
Construction of a storm-water drain in Maghbat Lane	8,021 15 6	.....	8,021 15 6	
Construction of an office for the Drainage Staff and quarters and an office for the Head Plumber at Babula Tank and providing fencing round the Drainage Chowki and metalling the yard	36,681 13 11	.....	36,681 13 11	
Construction of two new Drainage Chowkies at Bapty Road and Churney Road	13,083 15 6	.....	13,083 15 6	
Construction of a storm-water drain from the foot of Byculla Bridge to the junction of Connaught and Reay Roads	3,14,019 3 9	.....	3,14,019 3 9	
Construction of a storm-water drain in Soparibagh Road	2,12,956 7 6	.....	2,12,956 7 6	
Construction of a storm-water drain from the Junction of Connaught and Reay Roads to Kalachowki and Soparibagh Roads	6,94,539 9 6	759 13 0	6,95,299 6 6	
Slab drain 18″ × 18″ in Store Lane, Homji Street	2,557 2 6	.....	2,557 2 6	
Pipe sewer in Currey Road	2,595 15 5	.....	2,595 15 5	
Main sewerage of Parel	22,121 7 8	.....	22,121 7 8	
Arching over with brick masonry the main drain at the Arthur Road Crossing...	15,655 0 4	.....	15,655 0 4	
9″ Pipe sewer at Lalwadi	2,087 8 2	.....	2,087 8 2	
Laying branch pipe sewers in the village of Parel	17,527 13 11	.....	17,527 13 11	
Ovoiding side-drains to the north of Kalachowki Road	2,600 4 3	.....	2,600 4 3	
Completing the storm-water drain from the top of Bazar Gate Street to the Salvation Army Hall, Hornby Road.	14,460 2 7	.....	14,460 2 7	
Sewerage of Parel on the gravitation system	62,081 1 5	.....	62,081 1 5	
Storm-water drain in Cruickshank Road	17,337 6 0	.....	17,337 6 0	
Laying a 9″ pipe for the carriage of storm-water to the Sea from the eastern half of Wodehouse Road ...	1,992 1 3	.....	1,992 1 3	
Laying a 9″ pipe-line at the Parel village	878 7 3	.....	878 7 3	
C—Drainage Works—Carried over Rs. ...	1,97,48,662 11 11	2,65,424 5 11	2,00,14,077 1 10	
Carried over Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	GRAND TOTAL.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	1,79,13,918 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1
C—Drainage Works, brought forward Rs.	1,97,48,652 11 11	2,65,424 5 11	2,00,14,077 1 10	
Storm-water drains in part of Gilder Street and Foras Road from Grant Road to Falkland Road	10,781 14 10	... ...	10,781 14 10	
Constructing a catchpit on the Mint Road sewer opposite the European General Hospital	4,880 10 8	.....	4,880 10 8	
Altering and ovoiding storm-water drain in Girgaum	11,548 14 10	.....	11,548 14 10	
Construction of a storm-water drain in Khetwadi	52,662 2 8	.....	52,662 2 8	
Draining the storm-water from the public road round the Mahaluxmi Dhobiwada	1,156 0 3	.....	1,156 0 3	
Ovoiding and regrading the open road-side drains in Umarkhadi Road ...	3,119 0 11	.....	3,119 0 11	
Converting the old Engine-house at Love Grove into an office and godown and constructing a shred-lifter chamber with 4 shred-lifters ...	25,031 4 1	.....	25,031 4 1	
Tidal flaps on flushing drains for ovoid sewers	2,235 4 4	.....	2,235 4 4	
Drainage arrangements at Tardeo Road.	2,292 0 8	.....	2,292 0 8	
Laying a 9" pipe sewer in Fergusson Cross Road	2,261 14 9	.....	2,261 14 9	
Masonry drain from Girgaum Road and passing through Night-soil Depôt ...	21,317 6 7	.....	21,317 6 7	
Opening out the public water-course behind Mr. Cama's property at Parel Road	3,362 6 7	.....	3,362 6 7	
Laying a 12" pipe from the emergent reservoir to manhole in Apollo Street	3,169 7 8	.....	3,169 7 8	
Ovoiding and constructing masonry side-drains in different places... ...	17,895 11 11	.....	17,895 11 11	
Ovoiding and constructing masonry side-drains on Carroll Road, north side	2,711 3 3	.....	2,711 3 3	
Ovoiding kutcha drain in Arthur Road as far as G. I. P. Railway Crossing...	4,988 15 1	.....	4,988 15 1	
Constructing storm-water drains and ovoiding and constructing masonry side-drains in different places ...	20,493 10 8	.....	20,493 10 8	
Automatic flush tanks on pipe sewers ...	38,434 0 10	.....	38,434 0 10	
Improving side-drains, Malabar Hill ...	7,672 13 6	.....	7,672 13 6	
Storm-water drains at Fergusson Road from DeLisle Road to the water-course (3,200 feet) west of the road...	29,964 4 9	.....	29,964 4 9	
Providing and constructing masonry side-drain in Malabar Hill	7,346 11 0	.....	7,346 11 0	
Providing and constructing masonry side-drains (*a*) on Naigaum Cross Road on both sides from Vincent Road to Dadar and (*b*) east and west of Ghorupdeo Road	5,239 5 6	.....	5,239 5 6	
Storm-water drain running on the west of the G. I. P. Railway Dadar Station	7,023 6 9	.....	7,023 6 9	
Constructing quarters for workmen at Love Grove Air Compressor Station (including purchase of land and an old chawl)	21,961 1 5	.....	21,961 1 5	
Constructing additional quarters for Lascars at Love Grove	5,477 9 6	.....	5,477 9 6	
Cutting out rocky barriers in the channel at Love Grove	116 6 0	.....	116 6 0	
Surface Drainage in Queen's Road between the level-crossing and Charni Road	2,897 15 0	.....	2,897 15 0	
Ovoiding and regrading the side-drain in Imamwada from Parel Road to Jail Road, North	2,089 3 10	.....	2,089 3 10	
Masonry storm water drain 18" 18" in Apollo Street	1,888 15 9	.....	1,888 15 9	
Open ovoid drain on the east side of DeLisle Road	1,567 14 10	.....	1,567 14 10	
Zinc ventshafts on pipe sewers in the Fort Sewerage District	11,165 8 9	.....	11,165 8 9	
Storm-water drain in Sankli Street ...	11,529 15 8	.....	11,529 15 8	
C—Drainage Works—Carried over Rs. ...	2,00,92,816 2 9	2,65,424 5 11	2,03,58,270 8 8	
Carried over Rs. ...	1,79,13,918 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs....	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1
C—Drainage Works. brought forward Rs....	2,00,92,846 2 9	2,65,424 5 11	2,03,58,270 8 8	
Cost of obtaining advice from Mr. Santo Crimp, in regard to house connections, &c.	11,992 9 10	.....	11,992 9 10	
Construction of permanent manholes over drains	37,050 5 7	.....	37,050 5 7	
Masonry side-drains at Malabar Hill from Gowalia Tank Road to the Government House	7,805 4 2	.....	7,805 4 2	
Tidal flaps on the ovoid sewers ...	11,025 14 0	.....	11,025 14 0	
Construction of a coal shed, a coal tramway, and fence round the compound of the Love Grove Air Compressor Station	11,211 10 9	.....	11,211 10 9	
6" Pipe Drain in DeLisle Road ...	430 10 7	.....	430 10 7	
6" Pipe Drain in Banganga Cross Lane.	824 15 8	.....	824 15 8	
Extension of the 15" sealed sewage main in Fergusson Road from the Culvert to Worli Road	11,466 8 10	.....	11,466 8 10	
Laying a 6" pipe-drain in Tulsirampada in Parel Chawl Road	1,051 12 0	.....	1,051 12 0	
Laying a 6" pipe drain in the private passage known as Kalachowki Cross Lane	602 14 7	.....	602 14 7	
6" pipe drain in the passage to the north of Parel Cross Lane	472 10 3	.....	472 10 3	
Connecting certain properties in Gilder Street with the new storm-water drain constructed thereat	1,496 13 1	.....	1,496 13 1	
Laying a 9" stoneware pipe drain in a portion of Foras Road, west of Carroll Road	1,365 13 11	.....	1,365 13 11	
Laying a 6" pipe drain in the passage belonging to Sulleman Jusab at Belvedere Hill Road	647 8 2	.....	647 8 2	
Laying a 6" pipe drain in Bapty Road..	486 15 2	.....	486 15 2	
Laying a 9" pipe drain at Tank Bunder Koliwada	2,042 13 3	.....	2,042 13 3	
Construction of a catchpit on the Queen's Road ovoid sewer in Charni Road, &c.	6,202 0 4	.....	6,202 0 4	
Laying a drain at Mr. Tribhowandas Varjivandas' Cart at Girgaum Back Road	254 13 2	.....	254 13 2	
Storm-water drain in Ripon Road from Agripada drain to Jacob Circle ...	27,086 12 11	.....	27,086 12 11	
Storm-water drain in Clerk Road from Parel Road to Jacob Circle... ...	26,900 9 11	.....	26,900 9 11	
Storm-water drain in Haines Road from Khatau Makanji's Mill to Jacob Circle	48,844 13 3	.....	48,844 13 3	
Laying a branch 6" pipe sewer at De-Lisle Road	761 3 7	.....	761 3 7	
Laying a 6" pipe drain at Ghorupdeo Road	404 6 3	.....	404 6 3	
Laying a 9" pipe sewer along Elphinstone Road at its Junction with Parbhadevi Road	1,112 5 3	.....	1,112 5 3	
Laying a 9" pipe drain with Inspection Chamber at the passage running through Chamanbag properties ...	3,938 8 10	.....	3,938 8 10	
Laying a 6" pipe drain on the Tulsi main road	1,000 9 1	.....	1,000 9 1	
Laying a 6" pipe drain at Ghorupdeo Road, 1st Cross Lane	360 14 10	.....	360 14 10	
Constructing a storm-water drain at Kalachowki Road	789 2 3	.....	789 2 3	
Laying a 6" pipe drain along Chamanbag properties in Parel Road ...	1,166 0 8	.....	1,166 0 8	
Laying a pipe sewer between Forjett Street and Tardeo Road	2,409 10 2	.....	2,409 10 2	
Fees to Mr. Midgley Taylor on account of his report on the Ejector, &c., required for Sectional District ...	1,961 1 4	.....	1,961 1 4	
Establishment for the preparation of plans and estimates for the sewerage of Mazagon, Parel and Old Race Course Districts	10,338 0 0	.....	10,338 0 0	
C—Drainage Works—Carried over Rs. ...	2,03,26,352 6 5	2,65,424 5 11	2,05,91,776 12 4	
Carried over Rs. .	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	GRAND TOTAL.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ..	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1
C—Drainage Works, brought forward Rs ...	2,03,26,352 6 5	2,65,424 5 11	2,05,91,776 12 4	
Tracing the plans and sections of the Parel, Mazagon and Old Race Course Districts	658 15 0	.....	658 15 0	
Fees to Messrs. Midgley Taylor and G. R. Strachan for their opinion on matters connected with the surcharging of sewers	16,796 13 4	.....	16,796 13 4	
Expenses incurred by Mr. James in connection with inquiries in regard to Lierner system, &c.	1,634 3 0	.....	1,634 3 0	
Construction of a storm-water drain in Church Gate Street from its junction with Mayo Road to the main storm-water drain in Queen's Road near the Church Gate Street ...	4,033 9 5	.....	4,033 9 5	
Laying a 6" pipe sewer in the passage opening to Portuguese Church Road	227 4 3	.....	227 4 3	
Laying a 6" pipe drain at Madanpura...	346 4 2	.....	346 4 2	
Extension of the 15" sealed sewage main from the Chinchpokli Fire Brigade Station to the head manhole on Clerk Road sewer	12,408 4 9	.....	12,408 4 9	
Constructing a storm-water drain in Colaba Causeway between Mayo Road and Thomas Street	8,973 9 11	.....	8,973 9 11	
Preparation of certain models for improvement of main sewers, &c. ...	200 0 0	.....	200 0 0	
Laying 6" pipe drain in the passage behind the New Building of Mr. Hormusji Vakil	5,226 13 4	.....	5,226 13 4	
Laying a 6" pipe drain in the passage leading to the Hon'ble Mr. Setalvad's Bungalow	1,244 3 6	.....	1,244 3 6	
Laying a 6" pipe drain in the Nepean Sea Road	1,243 11 7	.....	1,243 11 7	
Laying a 9" pipe drain at Elphinstone Road	6,761 10 9	.....	6,761 10 9	
Extending the existing 6" pipe drain in the passage off Dadar and Kumbharwada Cross Lane	33 7 10	.....	33 7 10	
Laying a 6" pipe drain in the passage at Currey Road	471 10 2	.....	471 10 2	
Laying a 9" pipe drain in the passage leading to Government Gate Road, Parel	2,139 0 6	.....	2,139 0 6	
Laying a 4" C. I. pipe drain from DeLisle Road to the boundary of the Century Mill premises ...	4,816 0 10	.....	4,816 0 10	
Providing an additional pipe sewer and Ejector in Fergusson Road near its junction at DeLisle Road (North)..	8,000 0 0	.....	8,000 0 0	
Laying a 6" pipe sewer in the passage near the Lunatic Asylum, Colaba ...	1,364 5 4	.....	1,364 5 4	
Laying a branch drain in the passage off Mount Pleasant Road ...	727 10 6	.....	727 10 6	
Laying a 6" pipe sewer at Banganga Tank Lane	929 8 9	.....	929 8 9	
Laying a 7" pipe drain on the eastern boundary of the Babula Tank ...	1,321 9 2	.....	1,321 9 2	
Laying a 6" pipe drain in Gowalia Tank Road	387 11 9	.....	387 11 9	
Laying a 6" pipe drain at Victoria Bunder Road	367 11 6	.....	367 11 6	
Laying a 9" pipe drain in Kamatipura 9th Street	562 1 2	.....	562 1 2	
Laying a 6" pipe drain in the lane behind No. 49-51, Warden Road ...	1,610 10 10	.....	1,610 10 10	
C—Drainage Works—Carried over Rs ...	2,04,08,889 5 9	2,65,424 5 11	2,06,74,263 11 8	
Carried over Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1
C.—Drainage Works, brought forward Rs.	2,04,08,889 5 9	2,65,424 5 11	2,06,74,263 11 8	
Giving street connections to storm-water drains in the City	34,488 1 7	7,901 13 10	42,389 15 5	
Laying a 6" pipe drain at Warden and Tardeo Roads	480 3 6	.....	480 3 6	
Laying a 6" pipe sewer in the compound of premises No. 14-20 to the east of Cumballa Hotel Lane ..	615 3 7	.....	615 3 7	
Laying a 6" pipe drain in the passage leading to Khed Tank in the north of Elphinstone Road	1,027 11 3	.....	1,027 11 3	
Laying a 6" pipe drain in the passage to the east of Cumballa Hotel Lane.	834 6 2	.....	834 6 2	
Laying a 6" pipe drain at Nepean Sea Road	978 13 7	.....	978 13 7	
Colaba Sewerage Work	44,836 14 11	.....	44,836 14 11	
Sewerage of the Malabar Hill District	7,394 12 2	.....	7,394 12 2	
Laying a 4" air main in Victoria Extension Road from the junction of Victoria Road and Mount Road to Ejector Station No. 2, Mazagaon, in place of the existing 2½" C. I. main.	4,320 0 2	.....	4,320 0 2	
Construction of a sealed sewage main from the Elphinstone Road Ejector Station to Worli Road	68,326 11 1	.....	68,326 11 1	
Constructing a masonry drain with four manholes and eight half-sized water entrances at DeLisle Road ...	6,351 8 10	.....	6,351 8 10	
Filling in the open side drains on both the sides and providing covered storm-water drains with water tables and water gullies in portions of 1st to 5th Khetwadi Lanes and Main Roads	7,431 11 8	.....	7,431 11 8	
Filling in old side drains and providing a covered drain with manholes, full sized and half-sized water entrances, with water tables on 14th Khetwadi Lane	3,104 6 8	.....	3,104 6 8	
Providing storm-water drain with water entrances and water tables at 11th Khetwadi Lane	3,184 12 1	.....	3,184 12 1	
Constructing a road-side drain and providing a covered storm-water drain at Girgaum Back Road ...	12,952 13 9	.....	12,952 13 9	
Laying a 6" pipe drain on the West of Dadar Road	258 10 8	.....	258 10 8	
Laying a 9" pipe sewer between Charni Road and Khetwadi 11th Lane ...	1,689 3 1	.....	1,689 3 1	
Making three drainage connections to the storm-water drain in Hornby Road	238 0 10	.....	238 0 10	
Surface drainage of Dadar and Naigaum Roads	22,810 14 4	.....	22,810 14 4	
Providing new pattern storm-water entrances with cast-iron grating and frames	23,851 13 10	5,951 1 3	29,802 15 1	
Subsidiary works at the Love Grove New Pumping Station in connection with the measures for relieving the surcharging of sewers	1,00,456 5 7	.....	1,00,456 5 7	
Laying a 15" pipe sewer from the Wellington Fountain to the head manhole of the Mint Road ovoid sewer	26,707 6 10	.....	26,707 6 10	
Additions to and enlargement of existing sewers in connection with the duplication of Tansa main	7,66,181 9 7	1,24,916 8 2	8,91,098 1 9	
Sewerage of the north of the Island ...	1,680 9 1	1,052 8 0	2,733 1 1	
Laying a 12" 9" stoneware pipe sewer in a passage off Elphiastone Road in the locality known as "Saitan Chanki" near Khed Tank ...	.....	2,465 8 3	2,465 8 3	
Provision of a 9" pipe sewer in a portion of Mahim District, a septic tank near the foreshore at Mori Road, Mahim, and a hopper near the foreshore at Mori Road	.....	222 15 3	222 15 3	
C—Drainage Works—Carried over Rs. ...	2,15,48,432 2 2	4,07,934 12 8	2,19,56,426 14 10	
Carried over Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	GRAND TOTAL.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	1,79,13,018 7 0	7,94,918 13 1	1,87,07,937 4 1	1,87,07,937 4 1
C—Drainage Works, brought forward Rs...	2,15,48,492 2 2	4,07,934 12 8	2,19 56,426 14 10	
Constructing a storm-water drain 2' 2' with water entrances in Maudby Road and Napier Road from Ravelin Street to Hornby Road	.....	21,879 14 0	21,879 14 0	
Providing a 2' 2' storm-water drain with half-sized water entrances and water tables at Currey Road,... ...	.....	8,564 14 9	8,564 14 9	
Regrading and covering the old drain from Forbs Road to Falk and Road drain and constructing a storm-water drain 2', 2' in Annesley Road ...	.....	14,310 3 1	14,310 3 1	
Providing a 4' circular storm-water drain in Parel Road from Chinchpokli Road to Connaught Road ...	.....	1,134 8 4	1,134 8 4	
Providing a storm-water drain in Victoria Road from Mount Road to the east end of the Sassoon Compound.	.....	16,995 11 2	16,995 11 2	
Constructing a storm-water drain in Kalachowki Road and Parel Road ...	.....	83 9 9	83 9 9	
C—Drainage—Total Rs. ..	2,15,48,492 2 2	4,70,903 9 9	2,20,19 395 11 11	2,20,19,395 11 11
D—WATER WORKS—				
Vehar Lake (value of)	45,21,943 7 9	.....	45,21,943 7 9	
Tulsi Water Works	37,61,888 6 0	.....	37,61,888 6 0	
Vehar Outlet Tower	2,38,111 10 0	.....	2,38,111 10 0	
Service Reservoir at Bhandarwada ...	10,16,830 13 3	.....	10,16,830 13 3	
Tulsi gathering ground	94,500 0 0	.....	94,500 0 0	
Malabar Hill Reservoir	4,00,000 0 0	.....	4,00,000 0 0	
New hydrants, including cost of erection	20,876 7 1	.....	20,876 7 1	
Construction of a double-storeyed chawl for the Water Works staff and quarters for the Superintendent	29,182 3 3	.....	29,182 3 3	
Survey of new catch-water channels, &c.	7,885 4 1	.....	7,885 4 1	
Construction of filter beds at Vehar ...	1,04,433 15 11	.....	1,04,433 15 11	
Improvement of the water-supply of the outlying districts...	6,82,065 0 8	.....	6,82,065 0 8	
Raising the Tulsi dams	1,13,257 9 7	.....	1,13,257 9 7	
Providing additional catch-water channels at Vehar and Tulsi	91,794 0 6	.....	91,794 0 6	
Purchase of check meters for the prevention of waste of water ...	1,27,132 14 8	.....	1,27,132 14 8	
Enlarging different mains	1,03,130 8 6	.....	1,03,130 8 6	
Cost of new water mains from Nesbit Road to Babula Tank	15,000 0 0	.....	15,000 0 0	
Establishment charges	80,770 0 0	.....	80,770 0 0	
Portion of excess cost of Vehar Outlet Tower	31,675 6 3	.....	31,675 6 3	
Provision of turbine at the Malabar Hill Reservoir	2,282 0 0	.....	2,282 0 0	
Malabar Hill Reservoir (extra cost) ...	1,14,039 2 6	.....	1,14,039 2 6	
Increasing and improving the distribution of the water-supply and providing higher levels, Tulsi District, with filtered water	20,211 8 4	.....	20,211 8 4	
18" main in Frere Road from the Bhandarwada Reservoir to Carnac Road and 12" main from Carnac Road to Mint	80,031 5 0	.....	80,031 5 0	
Concrete trench, waste weir, Vehar Lake	30,608 7 1	.....	30,608 7 1	
Mains in 14 streets west of Frere Road and other mains in various places. ...	59,275 1 8	.....	59,275 1 8	
Arthur Road connection works necessitated by the laying of the Tansa 27" main	9,542 10 5	.....	9,542 10 5	
Deacon's meters	16,788 0 0	.....	16,788 0 0	
Providing an asphalt surface to the floor of the settling basin of the Malabar Hill Reservoir and other works in connection therewith ...	92,872 9 2	.....	92,872 9 2	
Pawai Water Works	6,14,984 6 9	.....	6,14,984 6 9	
Additional Water Mains	98,386 0 10	.....	98,386 0 10	
Extension of Tulsi Catch-water Channel	20,836 9 1	.....	20,836 9 1	
Tansa Water Works including cost of survey	1,49,35,508 15 0	.....	*1,49,35,508 15 0	
D—Water Works —Carried over Rs. ...	2,75,35,792 7 4	.....	2,75,35,792 7 4	
Carried over Rs. ...	8,94,61,510 9 2	12,65,822 6 10	4,07,27,333 0 0	4,07,27,333 0 0

* Inclusive of Rs. 2,40,000 paid out of the Premia received on the Loan

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	3,94,61,510 9 2	12,65,822 6 10	4,07,27,333 0 0	4,07,27,333 0 0
L—Water Works, brought forward Rs. ...	2,75,35,792 7 4	.....	2,75,35,792 7 4	
Improvements of the outlet towers at Vehar and Tulsi	12,842 13 10	.....	12,842 13 10	
9″ main from Ghorupdeo Road to Jackeria Bunder Road and 6″ main from thence to Sewri Cemetery Road.	27,892 4 7	.....	27,892 4 7	
New mains in Reay Road, &c. ...	1,042 5 0	.....	1,042 5 0	
Main along Kalachowki Road from Parel Road to Ghorupdeo Road and along Reay Road from Kalachowki Road to Bhandarwada Reservoir ...	1,26,969 12 8	.....	1,26,969 12 8	
9″ service main connected at one end with the Bhandarwada Reservoir and at the other with the Sewri Road 12″ main and supplemented midway by a 9″ service main down Connaught Road ...	48,364 0 5	.....	48,364 0 5	
Extension of water mains in various places	28,026 6 5	.....	28,026 6 5	
Further alterations and improvements at the Malabar Hill Reservoir ...	29,971 14 8	.....	29,971 14 8	
Covering storage basin at the Bhandarwada Reservoir and constructing filters over it	91,052 13 0	.....	91,052 13 0	
Road from Vehar to Tulsi with a light tramway to carry pipes	471 3 6	.....	471 3 6	
9″ and 10″ pipes from Grant Road to Kamathipura	7,163 3 9	.....	7,163 3 9	
Distribution mains in Tardeo and Gamdevi Roads	7,391 5 2	.....	7,391 5 2	
Mains from 48″ Tansa main at Chinchpokli to Grant Road and 32″ main from Grant Road to Malabar Hill ...	2,10,000 0 0	.....	2,10,000 0 0	
32″ outlet mains from Malabar Hill to Chowpati	30,000 0 0	.....	30,000 0 0	
Construction of additional filters at the Malabar Hill Reservoir	2,45,319 9 2	.....	2,45,319 9 2	
Replacement of the Vehar main for the whole distance between Vehar and Cooria, north of Cooria	6,63,281 7 7	*Cr.* 16,336 2 3	6,46,945 5 4	
Removing and relaying the 32″ Vehar main, south of Cooria	5,29,553 7 0	*Cr.* 11,826 8 5	† 5,17,726 14 7	
9″ and 4″ mains in the new roads in the Agripada District	43,790 0 4	.....	43,790 0 4	
4″ main in New Street near Lohar Chawl	2,531 10 0	.....	2,531 10 0	
Mains in the 1st Nagpada Scheme ...	6,731 6 1	.....	6,731 6 1	
4″ main along Wodehouse Road ...	2,426 2 11	.....	2,426 2 11	
4″ main in Sankri Street	1,140 11 7	.....	1,140 11 7	
4″ main in Connaught Road Estate ...	1,666 9 8	.....	1,666 9 8	
48″ Tansa main at Chinchpokli to Grant Road and 32″ main from Grant Road to Malabar Hill... ...	47,629 7 1	.....	47,629 7 1	
32″ outlet mains from Malabar Hill to Chowpati	15,922 14 6	.....	15,922 14 6	
Laying new water mains and fixing hydrants in the roads, "City Improvement Scheme No. IV"	30,743 12 5	.....	30,743 12 5	
Laying water mains in B Ward ...	1,17,921 12 8	.....	1,17,921 12 8	
Laying water mains on the Colaba Reclamation	36,269 2 0	.....	36,269 2 0	
Laying water mains in A Ward ...	1,20,996 13 1	.....	1,20,996 13 1	
Construction of quarters for Water Works Office Staff on the Babula Tank Site	1,650 10 3	.....	1,650 10 3	
Laying a 9″ main along Mount Road from its junction with Love Lane to the junction at Victoria Road and a 6″ main along Ghorupdeo Road to be joined to the 6″ main already laid in Albert Road	15,972 15 0	.....	15,972 15 0	
Laying an additional 9″ main on the 24″ main, somewhat north of Government House, Parel, to join the 4″ main in Lady Jamsetji Road.	13,094 10 0	.....	13,094 10 0	
Providing quarters and offices for Water Works Inspector in A, B, C, E, F Wards	.....	240 0 0	240 0 0	
D—Water Works—Carried over Rs. ...	3,00,58,623 11 8	*Cr.* 27,922 10 8	3,00,25,701 1 0	
Carried over Rs. ...	3,94,61,510 9 2	12,65,822 6 10	4,07,27,333 0 0	4,07,27,333 0 0

† Inclusive of Rs. 3,74,000 paid from the contribution received from the G. I. P. Railway Co.

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	GRAND TOTAL.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	3,94,61,510 9 2	12,65,822 6 10	4,07,27,333 0 0	4,07,27,333 0 0
D—Water Works, brought forward Rs. ...	3,00,53,623 11 8	*Cr.* 27,922 10 8	3,00,25,701 1 0	
Tansa Reduplication and Auxiliary Works—				
Duplicating Syphons Nos. 1 to 7...	33,74,880 0 0	.....	33,74,880 0 0	
Do. Syphon No. 8 ...	29,68,835 0 0	.....	29,68,835 0 0	
Raising Tansa Dam	4,39,855 0 0	.....	4,39,855 0 0	
Distributing mains in the City ...	4,54,002 4 10	.....	4,54,002 4 10	
General expenses	62,452 0 3	*Cr.* 824 10 0	61,627 6 3	
Laying a 5″ service main in Sandhurst Road	37,255 7 5	.....	37,255 7 5	
Laying a 14″ main in Parel Road north of Grant Road...	19,010 8 3	.....	19,010 8 3	
Substitution of an electrically driven Turbine pump for plunger pumps and construction of a water tower on the Malabar Hill Reservoir ...	41,047 3 10	.....	41,047 3 10	
Renewal of water mains in the Girgaum District for improvement of the water supply...	48,890 2 11	.....	48,890 2 11	
15″ water main from 24″ main in Bhoiwada to Elphinstone Road as far as new Parbhadevi Road and thence a 9″ main to the Century Mill	49,452 0 2	.....	49,452 0 2	
New mains in various places	28,863 1 1	.....	28,863 1 1	
Covering storage basin at the Bhandarwada Reservoir and constructing filters over it	44,597 14 4	.....	44,597 14 4	
Excess cost of Worli Road main ...	21,696 4 1	.....	21,696 4 1	
Residence of the Chief Inspector, Water Works, at Babula Tank Road, and rooms for 6 sluicemen	32,028 1 3	.....	32,028 1 3	
24″ and 27″ mains from Malabar Hill Reservoir to Frere Fountain, Fort ...	50,093 1 2	.....	50,093 1 2	
Connections at Chinchpokli between Tansa and Vehar mains	7,402 1 4	.....	7,402 1 4	
Laying water mains in Wellington Lines	4,397 9 5	.....	4,397 9 5	
Renewing 3″ main in B Ward with 4″ pipes—extra cost chargeable to Capital	4,533 3 4	.....	4,533 3 4	
Replacing 32″ Vehar pipes for 1¼ miles by 48″ C. I. pipes (north of Coorla).	2,82,433 15 0	.....	2,82,433 15 0	
9″ main in DeLisle Road	9,849 6 1	.....	9,849 6 1	
4″ main in Khara Talao Road ...	2,774 11 7	.....	2,774 11 7	
Providing the trunk water mains with Venturi water meters	23,000 0 0	.....	23,000 0 0	
Fixing Deacon's meters on the distributing mains...	20,445 4 8	.....	20,445 4 8	
Extending the existing 9″ main in the Agripada District along Gilder Street to join the existing 32″ main in Grant Road	11,904 13 6	.....	11,904 13 6	
Extending the existing 9″ main in DeLisle Road to join with 15″ main in Elphinstone Road... ...	8,983 12 0	.....	8,983 12 0	
Travelling expenses to an Inspector and a lascar for taking survey, &c., in connection with the storage reservoir and filter beds at Ghatkoper	35 0 6	.....	35 0 6	
Constructing office, quarters and store-rooms for W. W., G Ward, at DeLisle Road on the site of Foras Tank	19,415 3 11	.....	19,415 3 11	
Extending the 9″ main laid along the bank of the drainage channel across the proposed Foras Road from the Century Mill to join the existing 9″ main at Worli... ...	4,092 4 11	.....	4,092 4 11	
Constructing a Screening Tower at Vehar Lake	21,094 15 7	3,932 5 10	25,027 5 5	
Construction of a terminal service Reservoir at Kirol near Ghatkoper.	1,01,024 4 6	25 2 3	1,01,049 6 9	
D.—Water Works.—Carried over Rs. ...	3,32,41,458 7 7	*Cr.* 24,889 12 7	3,32,16,568 11 0	
Carried over Rs. ...	3,94,61,510 9 2	12,65,822 6 10	4,07,27,333 0 0	4,07,27,333 0 0

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	3,94,61,510 9 2	12,65,822 6 10	4,07,27,333 0 0	4,07,27,333 0 0
D—Water Works, brought forward Rs. ...	3,82,41,458 7 7	*Cr.* 24,889 12 7	3,82,16,568 11 0	
Paid out of the Worn-out Water Mains Renewal Fund—				
Replacing 3″ main in Arthur Road by a 6″ main and to extend it so as to join the 6″ main in Kalachowki Road	431 2 4	... ...	431 2 4	
Laying a 9″ main along Mount Road from its junction with Love Lane to the junction at Victoria Road and a 6″ main along Ghorupdeo Road to be joined to the 6″ main already laid in Albert Road	6,446 14 1	.....	6,446 14 1	
Laying a 6″ main in Matarpakhadi and a 12″ main along Mazagon Road from Nesbit Lane to Mount Road	5,696 15 4	.....	5,696 15 4	
Cost of renewing 3″ main in Worli Road with 9″ pipes (chargeable to revenue)	26,517 3 9	.....	26,517 3 9	
Replacing 3″ main in Zaoba's Oarts by a 4″ one	672 7 6	.....	672 7 6	
Mains in the 1st Nagpada Scheme ...	1,645 6 0	.....	1,645 6 0	
Replacing the 5″ main in Janjikar Street and 3″ and 4″ main in Old Hanuman Lane by a 6″ main ...	4,359 1 2	.....	4,359 1 2	
4″ main in New Street near Lohar Chawl	2,168 15 11	... ...	2,168 15 11	
Replacing 3″ main in Foras Road by a 6″ main	3,427 0 0	... ...	3,427 0 0	
Replacing the 3″ main in Chunam Kiln Road by a 5″ main	998 14 10	.....	998 14 10	
Replacing a 3″ water main in Mazagon Road by 5″ main, &c....	2,183 4 1	.....	2,183 4 1	
Laying water mains in A Ward ...	53,230 8 10	.....	53,230 8 10	
Laying water mains in B Ward ...	57,241 10 2	.....	57,241 10 2	
Replacing a 3″ water main in Mughbhat Cross Lane by a 5″ main ...	924 5 9	.....	924 5 9	
Laying 3″ main in Gunpowder Road to be replaced by a 5″ main, &c., &c	1,730 5 8	.....	1,730 5 8	
6″ Water main in Soparibag Road from the Junction of Parel Govt. Gate Road with Elphinstone Road ...	8,838 15 3	.....	8,838 15 3	
Laying a 9″ main in Cawasji Patel Street	2,817 1 10	.....	2,817 1 10	
Replacing 3″ main in Huzria Street by a 5″ main	1,141 9 8	.....	1,141 9 8	
Laying 3″ and 4″ mains in Kamatipura Bazar Road by a 6″ main ...	2,447 1 6	.....	2,447 1 6	
Replacing 3″ water main in the Mahomedan Street at Ripon Road by a 5″ main	1,266 1 4	.....	1,266 1 4	
Replacing 3″ main in Bapu Khote Street by a 5″ main	1,136 8 0	.....	1,136 8 0	
Replacing the 5″ pipe in Arthur Road by a 6″ one and extending it so as to join the 6″ main in Kalachowki Road	551 2 8	... ...	551 2 8	
Worn-out Water Mains Renewal Fund—Carried over Rs.	1,85,822 11 8	.....	1,85,822 11 8	
D—Water Works—Carried over Rs. ..	3,82,41,458 7 7	*Cr.* 24,889 12 7	3,82,16,568 11 0	
Carried over Rs. ..	3,94,61,510 9 2	12,65,822 6 10	4,07,27,333 0 0	4,07,27,333 0 0

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	GRAND TOTAL.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	3,94,61,510 9 2	12,65,822 6 10	4,07,27,333 0 0	1,07,2[illegible] 0 0
D—Water Works—Brought forward Rs. ...	3,82,41,458 7 7	*Cr.* 24,889 12 7	3,82,16,568 11 0	
Worn-out Water Mains Renewal Fund—Brought forward Rs. ...	1,85,822 11 8	.....	1,85,822 11 8	
Laying a 12″ main from the Tulsi Pipe line to Worli Road in place of the 6″ main in Ferguson Road ...	4,146 5 6	.....	4,146 5 6	
Laying a 5″ water main in place of the existing 5″ main in Fanaswadi.	1,352 1 0	.....	1,352 1 0	
Laying a 5″ main in Tank Street ...	1,579 0 7	.....	1,579 0 7	
Laying a 4″ main in Sheik Burhan Street	329 1 11	.....	329 1 11	
Replacing 4″ main by a 6″ main in Love Lane	2,318 9 8	.....	2,318 9 8	
Replacing small service mains in various parts of the City	8,715 9 3	.....	8,715 9 3	
Laying 5″ main in Vithoba Lane ...	365 0 1	.....	365 0 1	
Laying 5″ main in Temker Street...	1,830 10 11	.....	1,830 10 11	
Replacing 3″ main in Kika Street by a 5″ one	2,402 6 0	.....	2,402 6 0	
Replacing 3″ main by a 5″ main in Gazar Street	966 15 5	.....	966 15 5	
Laying 5″ main in Undria Street ...	1,751 1 9	.....	1,751 1 9	
	2,11,579 9 9	.....	2,11,579 9 9	
D—Water Works—Total Rs. ...	3,84,53,038 1 4	*Cr.* 24,889 12 7	3,84,28,148 4 9	3,84,28,148 4 9
E—CEMETERIES (*Burning and Burial Grounds*)—				
Burial ground for Mahomedans and Beni-Israels	2,11,652 4 5	.....	2,11,652 4 5	
Purchase of two sites of land for burning and burial grounds at Mahim and Worli, including cost of enclosure walls, &c.	47,680 4 4	.....	47,680 4 4	
Purchase of land from Mr. Ashburner for extension of burial ground for Mahomedans	1,17,046 0 6	.....	1,17,046 0 6	
Purchase of land in Narielwadi for future extension of burial ground for Mahomedans	1,60,577 5 10	.....	1,60,577 5 10	
Extension of burial ground at the Sewri Cemetery	71,640 9 8	.....	71,640 9 8	
Providing a burial ground at Haines Road for the Portuguese Community	26,949 12 7	.....	26,949 12 7	
Providing a burial ground for Mahomedans in F and G Wards at Antop Hill, Matunga	25,981 11 5	.....	25,981 11 5	
Extension of the Sewri Cemetery ...	40,902 9 6	.....	40,902 9 6	
Filling in the portion of the Haines Road Cemetery	10,000 0 0	.....	10,000 0 0	
Providing a boundary wall at the Haines Road Cemetery	13,278 9 6	.....	13,278 9 6	
Acquisition of land required for the extension of the Hindu Burial Ground at Mahim	20,094 14 9	.....	20,094 14 9	
Filling in the Roman Catholic Cemetery at Haines Road and acquisition of land therefor including compound wall, drainage arrangements, &c.	.....	9,269 10 7	9,269 10 7	
E—Cemeteries—Total Rs. ...	7,45,804 2 6	9,269 10 7	7,55,073 13 1	7,55,073 13 1
Carried over Rs. ...	7,86,60,252 13 0	12,50,202 4 10	7,92,10,555 1 10	7,99,10,555 1 10

Appendix No. 8—*concluded.*

	Capital Expenditure upto 31st March 1917.	Expended during the year.	Total Capital Expenditure upto 31st March 1918.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...	7,86,66,352 18 6	12,50,202 4 10	7,99,16,555 1 10	7,99,16,555 1 10
F—Disposal of Town Sweepings—				
Purchase of land on the Flats required for the disposal of Town sweepings.	1,98,913 8 8	.....	1,98,913 8 8	
Purchase of land on the Flats for the deposit of kutchra	5,890 14 1	.....	5,890 14 1	
Disposal of Town sweepings at Deonar.	7,84,000 0 0	.....	7,84,000 0 0	
Extra cost of the scheme for the disposal of Town sweepings at Deonar	53,619 13 4	.....	53,619 13 4	
20 additional wagons for the disposal of Town sweepings	38,684 2 10	.....	38,684 2 0	
F—Disposal of Town Sweepings—Total Rs.	10,81,108 6 1	.....	10,81,108 6 1	10,81,108 6 1
G—Miscellaneous—				
Purchase of land for the site of the Petit Hall and other charges in connection therewith...	3,436 8 6	1,010 0 0	4,446 8 6	
Filling in the Babula Tank with debris.	58,857 15 9	.....	58,857 15 9	
Filling in Gowalia Tank and making Roads, &c., thereon	1,52,949 11 1	.....	1,52,949 11 1	
Filling in Matarpakhadi Tank at Mount Road	2,607 5 8	.....	2,607 5 8	
Filling in Gilder Tank	15,488 9 4	.....	15,488 9 4	
Filling in the portion of the old water-course situated at the north corner of the Foras Tank and west of Parbhadevi Night-soil Depôt in DeLisle Road	3,506 5 7	.....	3,506 5 7	
Laying out a new park at the site of the old Bhatia Baug	21,511 3 7	.....	21,511 3 7	
G—Miscellaneous—Total Rs. ...	2,58,357 11 6	1,010 0 0	2,59,367 11 6	2,59,367 11 6
Grand Total Rs. ...	7,99,99,818 14 7	12,51,212 4 10	8,12,51,031 3 5	8,12,51,031 3 5

W. E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

Appendix

STATEMENT of Outstanding Loans due by the Municipality an

No.	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1917.	Amount raised in 1917-18.	Total.	Amount re-paid in 1917-18.	Balance due on 31st March 1918.
	1	2	3	4	5	6	7
			Rs a. p.	Rs. a. p.	Rs a. p.	Rs. a. p.	Rs. a. p.
	Loan raised from Government.						
1	Vehar Water Works Debt	4 per cent. ...	21,65,494 7 9	.....	21,65,494 7 9	27,960 14 0	21,37,633 9 9
	Loans raised from the Public.						
1	Drainage Loan of 1878 (Rs. 26,94,000)	5 per cent. ...	2,26,000 0 0	.....	3,26,000 0 0	(a) 65,500 0 0	2,60,500 0 0
2	The Sanitary Works Loan of 1885-86 (Rs. 44 Lakhs)	5 per cent. ...	37,39,000 0 0	.....	37,39,000 0 0	(b)	37,39,000 0 0
3	The Sanitary Works Loan of 1888 (Rs. 7 Lakhs)	5 per cent. ...	7,00,000 0 0	.....	7,00,000 0 0	(b)	7,00,000 0 0
4	The Tansa Water Works Loan (Rs. 147 Lakhs)	5 per cent. ...	1,47,00,000 0 0	.....	1,47,00,000 0 0	(b)	1,47,00,000 0 0
5	The Drainage and Water Works Loan of 1888 (Rs. 12 Lakhs) ...	5 per cent. ...	12,00,000 0 0	.....	12,00,000 0 0	(b)	12,00,000 0 0
6	The Miscellaneous Works Loan of 1888-89 for Drainage and Water Works, Markets and Roads (Rs. 10,08,500)	5 per cent. ...	10,08,500 0 0	.....	10,08,500 0 0	(b)	10,08,500 0 0
7	The Agripada House Sullage Water Connections Loan of 1889-90 of Rs. 2,48,000	5 per cent. ...	2,48,000 0 0	.....	2,48,000 0 0	(b)	2,48,000 0 0
8	The 35 Lakhs various Sanitary Works Loan of 1890-91	5 per cent. ...	35,00,000 0 0	.....	35,00,000 0 0	(b)	35,00,000 0 0
9	The Municipal Office Building Loan of 1891 (Rs. 8 Lakhs)	5 per cent. ...	8,00,000 0 0	.....	8,00,000 0 0	(b)	8,00,000 0 0
10	The Loan of 4½ Lakhs for Fire Brigade Quarters and Stations ...	4 per cent. ...	4,50,000 0 0	.....	4,50,000 0 0	(b)	4,50,000 0 0
11	The Loan of 42 Lakhs for repayment of the Balance of the 4½ per cent. Government Consolidated Loan	4 per cent. ...	42,00,000 0 0	.....	42,00,000 0 0	(b)	42,00,000 0 0
12	The Loan of 23¼ Lakhs for Drainage and other Works	4 per cent. ...	23,25,000 0 0	.....	23,25,000 0 0	(b)	23,25,000 0 0
13	The Loan of 15¾ Lakhs for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (1st instalment of Rs. 10 Lakhs)	3½ per cent. ...	15,75,000 0 0	.....	15,75,000 0 0	(b)	15,75,000 0 0
	Do. do. (2nd instalment of Rs. 5¾ Lakhs)... ...	4 per cent. ...					
14	25 Lakhs Loan for Sewerage, Water and other Sanitary Works ...	4 per cent. ...	25,00,000 0 0	.....	25,00,000 0 0	(b)	25,00,000 0 0
15	20 Lakhs Loan for Plague purposes..	4 per cent. ...	20,00,000 0 0	.....	20,00,000 0 0	(b)	20,00,000 0 0
16	19¼ Lakhs Loan for Sewerage, Roads and other Sanitary Works..	4 per cent. ...	19,25,000 0 0	.....	19,25,000 0 0	(b)	19,25,000 0 0
17	24¾ Lakhs Loan for certain Sewerage and Water Works	4 per cent. ...	24,75,000 0 0	.....	24,75,000 0 0	(b)	24,75,000 0 0
18	12¾ Lakhs Loan for certain Water Works	4 per cent. ...	12,75,000 0 0	.....	12,75,000 0 0	(b)	12,75,000 0 0
19	The 2nd 24¾ Lakhs Loan for certain Sewerage Works	4 per cent. ...	24,75,000 0 0	.....	24,75,000 0 0	(b)	24,75,000 0 0
20	13½ Lakhs Loan for the construction of quarters for Halalkhores and Biggaries	4 per cent. ...	13,50,000 0 0	.....	13,50,000 0 0	(b)	13,50,000 0 0
21	The 15 Lakhs Loan for Street Improvements	4 per cent. ...	15,00,000 0 0	.....	15,00,000 0 0	(b)	15,00,000 0 0
22	The 30 Lakhs Loan for the acquisition of sites for the construction of different Overbridges in the City	4 per cent. ...	30,00,000 0 0	.....	30,00,000 0 0	(b)	30,00,000 0 0
23	The 55 Lakhs Loan for Drainage, Sanitary, Water and other Miscellaneous Works	4 per cent. ...	55,00,000 0 0	.....	55,00,000 0 0	(b)	55,00,000 0 0
24	The 70 Lakhs Loan for re-duplication of Tansa Main and other Auxiliary Works	4 per cent. ...	70,00,000 0 0	.....	70,00,000 0 0	(b)	70,00,000 0 0
25	The 20 Lakhs Loan for Street Improvements	4 per cent. & extra ¾ „ „ on Rs. 14 Lakhs	20,00,000 0 0	.....	20,00,000 0 0	.....	20,00,000 0 0
26	The 43 Lakhs Loan for Drainage, Water, Roads and Miscellaneous Works.	4 per cent & extra ¾ „ „ on Rs. 26 Lakhs.	43,00,000 0 0	.....	43,00,000 0 0	.....	43,00,000 0 0
	Total of Loans raised from the Public ...	Rs. ...	7,20,71,500 0 0	.....	7,20,71,500 0 0	65,500 0 0	7,20,06,000 0 0
	GRAND TOTAL ...	Rs. ...	7,42,36,994 7 9	.....	7,42,36,994 7 9	93,360 14 0	7,41,43,633 9 9

W. E. WAITE,

Chief Accountant.

No. 9.

the sums set aside as Sinking Fund at 31st March 1918.

Interest paid in 1917-18.	Total of columns Nos. 6 and 8.	Remarks.
8	9	
Rs. a. p.	Rs. a. p.	
86,115 2 0	1,15,570 0 0	(a) The amount stipulated to be paid off on 1st January 1918 was Rs. 1,42,000, which, together with unpaid debentures aggregating Rs. 34,000 for the preceding years, aggregated Rs. 1,76,000 against which the debentures actually surrendered for payment up to 31st March 1918 amounted to Rs. 65,500. The unpaid balance thus amounts to Rs. 1,10,500 which is represented by the following debentures :— No. 2368 for Rs. 500 repayable on 1st January 1906, Nos. 2780 to 2788, 2804 to 2815 for Rs. 500 each, repayable on 1st January 1909, No. 2984 repayable on 1st January 1910, No. 3386 repayable on 1st January 1912, Nos. 4088 to 4086 and 4246 to 4249 for Rs. 500 each, repayable on 1st January 1915, Nos. 4199 to 4508 for Rs. 500 each repayable on 1st January 1916, and Nos. 4553 to 4556, 4592, for Rs. 500 each repayable on 1st January 1917. Nos. 4855 to 4864, 4891 to 4892, 4894, 4904, 4922 to 5688 for Rs. 500 each repayable on 1st January 1918. The unpaid debentures do not carry interest beyond the due date and will be repaid from the renewed grant when the holders apply for payment.
		(b) As under the terms of these Loans the bonds cannot be repaid to the holders before the dates stipulated in the debentures, the Sinking Fund has been invested as under :—

	Amount of Sinking Fund invested upto 31st March 1917.	Sinking Fund Instalments paid in 1917-18.	Interest accumulations invested in 1917-18.	Total.
I.—5 per cent. Loans.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
12,725 0 0	44 Lakhs Sanitary Works Loan	23,78,970 14 1	44,958 8 6	80,929 9 4	25,04,858 15 11
78,825 0 0	7 Do. do. do. do.	3,83,903 8 7	8,380 4 11	19,547 0 1	4,11,830 13 7
1,69,762 8 0	147 Do. Tansa Water Works Loan	22,25,156 9 8	64,986 1 8	73,554 4 0	23,63,696 15 4
1,69,762 8 0	12 Do. Drainage and Water Works Loan	6,71,579 11 8	12,863 5 11	35,366 2 2	7,19,809 3 9
34,925 0 0	Rs. 10,08,500 Miscellaneous Works Loan	5,29,474 1 1	11,248 8 2	24,082 8 3	5,65,705 1 6
34,925 0 0	Rs. 2,48,000 Agripada House Sullage Water Connections Loan	1,28,413 4 4	2,709 13 0	6,730 2 9	1,37,853 4 1
6,99,850 0 0	35 Lakhs Various Sanitary Works Loan	16,31,624 3 8	43,715 8 6	75,462 3 10	17,50,791 15 11
6,59,850 0 0	8 Do. Municipal Office Building Loan	3,56,065 14 1	9,146 14 2	18,426 10 3	3,83,639 6 6
61,312 8 0	Total I ...	83,05,188 3 2	1,98,009 0 9	3,34,988 8 8	88,38,185 12 7
			5,32,997 9 5		
52,425 0 0	In 5 and 4 per cent. Municipal and 4 per cent. Improvement Trust Debentures and in 4 per cent. Govt. Paper at par lodged with the Bank of Bombay	83,05,000 0 0	5,33,000 0 0		88,38,000 0 0
10,362 8 0	Cash deposited with the Bank of Bombay	188 3 2	— 2 6 7		185 12 7
1,64,462 8 0	*II.—4 per cent. Loans. (8½ per cent. basis).*				
40,000 0 0	4½ Lakhs Fire Brigade Quarters and Stations Loan...	3,17,893 7 11	8,364 6 2	12,021 8 4	3,37,979 6 5
18,190 0 0	42 Lakhs Loan for repayment of Balance of Government Consolidated Loan	28,34,246 1 8	81,652 1 10	1,06,560 1 7	30,22,458 5 1
	28½ Lakhs Loan for Drainage and other Works ...	3,29,946 11 3	27,564 8 9	30,570 6 9	3,88,081 10 9
1,54,520 0 0	15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and Certain Water Works (2nd instalment)	1,98,299 2 8	7,305 4 11	6,591 11 7	2,12,196 3 2
90,870 0 0	25 Lakhs Loan for Sewerage, Water, &c., Works ...	6,68,223 9 3	29,309 15 3	24,975 5 0	7,17,511 14 3
	20 Lakhs Loan for Plague purposes	15,15,880 12 2	69,813 7 2	66,148 15 1	16,51,843 2 5
	19½ Lakhs Loan for Sewerage, Roads and other Sanitary Works...	4,81,101 12 6	22,174 9 9	17,851 13 11	5,21,128 4 2
	24¾ Lakhs Loan for Sewerage and Water Works ...	4,76,487 11 4	28,697 10 4	17,011 13 8	5,22,197 3 4
54,755 0 0	12½ Lakhs Loan for certain Water Works	3,67,980 3 7	24,214 14 1	11,072 1 4	4,03,217 3 0
	2nd 24¾ Lakhs Loan for Sewerage Works	The Sinking Fund of this Loan is shown under a separate head below it having been decided that the investments should be in a 3 per cent. basis.			
99,660 0 0					
78,950 0 0	Total II ...	76,84,712 8 4	2,99,096 14 3	2,92,803 14 0	82,76,613 4 7
80,770 0 0			5,91,900 12 3		
99,380 0 0	In 4 per cent. Municipal and Improvement Trust Debentures and Bombay Port Trust and in 5½ per cent. Indian War Bonds lodged with the Bank of Bombay	76,84,668 2 0	5,91,800 0 0		82,76,468 2 0
43,430 0 0	Cash deposited with the Bank of Bombay	44 6 4	+ 100 12 3		145 2 7
92,620 0 0	*III.—4 per cent. Loans (8 per cent. basis).*				
54,210 0 0	2nd 24¾ Lakhs Loan for Sewerage Works	3,79,783 13 4	32,786 2 4	15,764 0 10	4,28,284 0 6
63,190 0 0	18¾ Lakhs Loan for the construction of quarters for Halalkhores and Biggaries	2,56,111 5 2	28,414 15 6	7,654 3 4	2,92,180 8 0
	15 Lakhs Loan for Street Improvements	1,54,720 5 7	19,926 5 3	4,676 1 0	1,79,322 11 10
	30 Lakhs Loan for acquisition of sites for Overbridges	3,06,147 6 8	39,237 1 10	9,248 14 0	3,54,633 6 6
1,19,910 0 0	55 Lakhs Loan for Drainage, Sanitary, Water and other Miscellaneous Works	3,81,269 15 4	1,19,771 11 3	12,736 11 4	5,13,778 5 11
	70 Lakhs Loan for re-duplication of Tansa Main and other auxiliary works	1,60,807 2 8	78,134 13 2	5,889 9 5	2,44,831 9 3
	20 Lakhs Loan for Street Improvements	26,935 5 9	26,524 0 0	1,220 3 0	54,679 8 9
2,19,980 0 0	43 Lakhs Loan for Drainage, Water, Roads and Miscellaneous Work	91,783 10 1	90,382 0 0	4,155 8 5	1,86,321 2 6
2,79,622 7 4	Total III ...	17,57,559 0 7	4,35,127 1 4	61,845 3 4	22,54,031 5 3
			4,96,472 4 8		
80,390 0 0	In 4 per cent. Municipal Debentures lodged with the Bank of Bombay	17,57,500 0 0	4,96,500 0 0		22,54,000 0 0
6,230 15 8					
1,72,000 0 0	Cash deposited with the Bank of Bombay	59 0 7	— 27 11 4		31 5 3
28,561 6 0	*IV.—3½ per cent. Loans.*				
	15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (1st instalment)	3,34,269 12 0	11,062 10 0	12,124 6 0	3,57,456 12 0
			23,187 0 0		
30,83,564 13 0	In 4 per cent. Improvement Trust Debentures lodged with the Bank of Bombay	3,34,001 9 0	23,200 0 0		3,57,201 9 0
31,49,664 13 0	Cash deposited with the Bank of Bombay	268 3 0	— 13 0 0		255 3 0
31,69,679 15 0	GRAND TOTAL I, II, III and IV ...	1,80,81,729 8 1	9,43,295 10 4	7,01,262 0 0	1,97,26,287 2 5
32,65,040 13 0					

P. W. MONIE,

Municipal Commissioner.

Appendix

SINKING

STATEMENT showing the Actual Investments on account of the Sinking Fund of Different that date on the basis

NAME OF LOAN.	Amount raised.	When repayable.	Amount of Annual Sinking Fund Instalment.	Date when Sinking Fund commenced.
1	2	3	4	5
5 per cent. Municipal Loans.	Rs.	Rs.	Rs.	
44 Lakhs Sanitary Works Loan ...	44,00,000	1st July 1886 7,000 1st ,, 1887 4,43,000 1st ,, 1890 51,000 1st ,, 1895 1,60,000 1st ,, 1925 37,39,000	† 41,972	..... *
7 Lakhs Sanitary Works Loan	7,00,000	1st February 1928 ...	8,170	1st February 1889...
147 Lakhs Tansa Water Works Loan ...	1,47,00,000	(*a*) Between 1st January 1928 and 1st Jan. 1953.	66,040	1st January 1893 ...
12 Lakhs Drainage and Water Works Loan.	12,00,000	1st January 1928 ...	(*b*) 12,616	1st January 1889 ...
Rs. 10,08,500 Miscellaneous Works Loan.	10,08,500	1st October 1928 ...	11,940	1st October 1889 ...
Rs. 2,48,000 Agripada House Sullage Water Connections Loan.	2,48,000	1st July 1929 ...	2,659	1st January 1891 ...
35 Lakhs various Sanitary Works Loan.	35,00,000	1st July 1930 ...	43,061	1st July 1891 ...
8 Lakhs Municipal Office Building Loan. *4 per cent. and 3½ per cent. Municipal Loans (3¼ per cent. basis.)*	8,00,000	1st July 1931 ...	9,293	1st July 1892 ...
4½ Lakhs Fire Brigade Quarters and Stations Loan.	4,50,000	1st January 1923 ...	8,570	1st January 1894 ...
42 Lakhs Loan for the repayment of the balance of Government Consolidated Loan.	42,00,000	1st July 1923 ...	80,678	1st July 1894 ...
23½ Lakhs Loan for Drainage and other Works.	23,25,000	1st July 1935 ...	27,467	1st July 1896 ...
15¾ Lakhs Loan for Sewerage, Wari Bunder, etc., Roads, Burial Ground and certain Water Works—				
1st Instalment	10,00,000 raised at 3½ per cent.		(*c*) 11,147	
2nd do.	5,75,000 raised at 4 per cent.	1st July 1936 ...	7 286	1st July 1897 ...
25 Lakhs Loan for Sewerage, Water, etc., Works.	25,00,000	1st November 1939 ...	29,535	1st November 1900.
20 Lakhs Loan for Plague purposes ...	20,00,000	1st May 1920 ...	70,482	1st May 1901 ...
19½ Lakhs Loan for Sewerage Roads and other Sanitary Works.	19,25,000	1st June 1940 ...	22,998	1st June 1901 ...
24¾ Lakhs Loan for certain Sewerage and Water Works.	24,75,000	1st June 1943 ...	29,286	1st June 1904 ...
12¾ Lakhs Loan for certain Water Works. *4 per cent. Municipal Loans (3 per cent. basis.)*	12,75,000	1st August 1934 ...	24,698	1st August 1905 ...
2nd 24¾ Lakhs Loan for Sewerage Works.	24,75,000	1st August 1946 ...	32,823	1st August 1907 ...
13½ Lakhs Loan for the construction of Quarters for Halalkhores and Bigaries.	13,50,000	1st May 1938 ...	28,376	1st May 1909 ...
15 Lakhs Loan for Street Improvements.	15,00,000	1st May 1949 ...	19,983	1st May 1910 ...
30 Lakhs Loan for the acquisition of sites, for the construction of various overbridges in the City.	30,00,000	1st May 1949 ...	39,757	1st November 1910.
55 Lakhs Loan for Miscellaneous Works.	55,00,000	1st June 1942 ...	1 21,632	1st June 1914 ...
70 Lakhs Loan for reduplication of Tansa Main and other auxiliary works.	70,00,000	..... ¶	78 148	1st June 1915 ...
20 Lakhs Loan for Streets Improvements.	20,00,000	1st May 1956 ...	26,524	1st May 1916 ...
13 Lakhs Loan for Drainage, Water and Miscellaneous Works.	13,00,000	1st May 1945 ...	90,382	1st May 1916 ...
				Total Rs. ...

¶ Rs. 49,40,000 repayable on 1st June 1954.
,, 20,60,000 ,, ,, 1st June 1974.
Rs. 70,00,000

W. E. WAITE,
Chief Accountant.

No. 10.

FUND.

Loans up to 31st March 1918, compared with the amounts which should have accumulated up to of the Fixed Instalments.

Amount of Sinking Fund which should have accumulated up to 31st March 1918 at Compound Interest.	Amount actually invested up to 31st March 1918.	Amount of Interest due up to 31st March 1918 collected and invested in 1918-19.	Total of Columns 7 and 8.	REMARKS.
6	7	8	9	10
Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	† All the Sinking Fund Instalments were re-arranged during 1906-07 on a 3½ per cent. basis as per Corporation Resolution No. 4946 of 9th February 1906.
25,60,985	25,04,858 15 11	52,872 8 6	25,57,731 8 5	* As Rs. 6,61,000 of this Loan were paid off by 31st December 1893, leaving a balance of Rs. 37,39,000 repayable on 1st July 1923, and as the Invested Sinking Fund on 31st March 1898 amounted to Rs. 4,51,047-15-5, the amount of the Annual Sinking Fund Instalment was reduced from Rs. 37,000 to Rs. 34,350 from 1st January 1897.
4,14,459	4,11,830 13 7	4,356 3 7	4,16,187 1 2	
24,14,671	23,63,696 15 4	47,204 3 0	24,10,901 2 4	(a) Rs. 2,00,000 repayable on 1-1-1928.
7,23,898	7,19,809 3 9	7,725 14 6	7,27,535 2 3	" 52,91,500 " " 1-1-1933.
5,71,486	5,65,705 1 6	7,847 2 3	5,73,552 3 9	" 22,08,500 " " 1-1-1943.
1,38,626	1,37,853 4 1	1,467 7 1	1,39,320 11 2	" 17,00,000 " " 1-1-1946.
17,68,537	17,50,791 15 11	23,183 12 11	17,73,975 12 10	" 10,00,000 " " 1-1-1948.
3,85,512	3,83,639 6 6	4,041 2 0	3,87,680 8 6	" 45,00,000 " " 1-1-1953.
				(b) In January 1889 Rs. 10,000 were invested and in subsequent years Rs. 11,000.
3,41,706	3,37,979 6 5	4,861 14 11	3,42,841 5 4	
30,59,948	30,22,458 5 1	41,041 11 6	30,63,500 0 7	
8,99,372	8,88,081 10 9	11,782 8 10	8,99,864 3 7	
3,60,630	3,57,456 12 0	3,157 4 8	3,60,614 0 8	(c) In 1897-98 Rs. 18,875 were invested in 3½ per cent. Government Paper.
2,15,547	2,12,196 3 2	3,390 3 11	2,15,586 7 1	
7,25,979	7,17,511 14 3	9,411 6 7	7,26,923 4 10	
16,62,572	16,51,813 2 5	13,433 5 4	16,64,276 7 9	
5,27,286	5,21,128 1 2	6,799 1 4	5,27,927 5 6	
5,28,596	5,22,197 3 4	6,457 11 1	5,28,654 14 5	
4,09,094	4,03,217 3 0	5,170 14 6	4,08,388 1 6	
4,28,796	4,28,284 0 6	2,398 10 6	4,30,683 11 0	
2,96,262	2,93,180 8 0	3,652 10 2	2,95,833 2 2	
1,81,759	1,79,322 11 10	2,241 11 11	1,81,564 7 9	
3,58,221	3,54,633 6 6	4,433 6 10	3,59,066 13 4	
5,21,584	5,13,778 5 11	6,507 15 5	5,20,286 5 4	
2,47,586	2,44,831 9 3	3,150 3 5	2,47,981 12 8	
55,321	54,679 8 9	683 12 11	55,363 5 8	
1 88,521	1,86,321 3 6	2,329 1 11	1,88,650 4 5	
1,99,86,897	1,97,26,287 2 5	2,78,602 1 7	2,00,04,889 4 0	

P. W. MONIE,
Municipal Commissioner.

133768

Appendix

STATEMENT showing the Interest outstanding on 1st April 1916 on the different of Bombay during that year, and the

	Name of each Loan.	Dates when raised.	AUTHORITY. Corporation Resolution.	AUTHORITY. Government Resolution.
	5 per cent. Loans.			
1	Drainage Loan of 1878 (Rs. 20,94,000) ...	1st November and 1st December 1878.	No. 1296 10-9-78.	No. 2951 23-9-78.
2	The Sanitary Works Loan of 1885-86 (Rs. 44,00,000).	Between 5th May 1885 and 30th March 1886.	Nos. 9021 8-12-81, 438 16-5-83 and 905 12-3-82	Nos. 2669 17-7-82, 460 2-2-84 and 384 2-2-83, 124 27-4-85, 3771 19-10-85,
3	The Sanitary Works Loan of 1888 (Rs. 7,00,000).	1st February 1888	No. 199 13-10-86.	No. 1427 4-5-88.
4	The Tansa Water Works Loan (Rs. 1,47,00,000).	Between 5th June 1886 and 24th December 1891.	Nos. 1312 13-11-85 and 345 9-4-91.	Nos. 561 12-2-86, 2876 21-9-87, 3392 23-8-90 and 1008 16-3-86, 3973 21-7-88, 3282-83 15-9-91, 1930 31-5-86, 4198 8-10-89,
5	The Drainage and Water Works Loan of 1888 (Rs. 12,00,000).	1st January and 1st July 1888 ...	Nos. 894 20-7-87 and 1145 8-9-87.	No. 873 16-3-88.
6	The Miscellaneous Works Loan, 1888-89 (Drainage and Water Works, Markets and Roads) (Rs. 10,08,500.)	Between 1st November 1888 and 1st July 1889.	No. 29 4-4-88.	Nos. 4937 7-9-88, 3290 19-9-89, 4138 24-11-88
7	The Agripada House Sullage and Water Connections Loan of 1889-90 (Rs. 2,48,000).	Between 1st January and 1st July 1890.	No. 4888 8-10-86.	Nos. 6547 28-12-89 and 17 2-1-90.
8	The Various Sanitary Works Loan of 1890-91 (Rs. 35,00,000).	Between 25th September 1890 and 1st January 1892.	Nos. 29 4-4-88, 572 13-5-89, 433 17-4-90 and 5293 19-11-88, 5152 25-11-89, 5805 7-1-89, 6235 23-1-90, 1438 22-5-90.	No. 3392 23-8-90.
9	The Municipal Building Loan of 1891 (Rs. 8,00,000).	24th December 1891	No. 11551 2-2-91.	No. 3262 15-9-91.
	4 per cent. Loans.			
10	The Loan for Fire Brigade Quarters and Stations (Rs. 4,50,000).	23rd December 1892, 30th November and 1st December 1893.	No. 3144 8-8-92.	Nos. 1023 29-3-92, 3145 6-9-92. and 2501 14-6-92, 2164 28-6-92
11	The Loan for repayment of the balance of the 4½ per cent. Government Consolidated Loan (Rs. 42,00,000).	28th and 29th June 1893 ...	No. 13956 23-3-93.	No. 1939 6-6-93.
12	The Loan for Drainage and other Works (Rs.23,25,000).	12th and 31st January 1894 and 11th and 15th July 1895.	No. 6222 28-3-93.	Nos. 809 3-3-94 and 3764 8-10-94.
*13	The Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground, and certain Water Works (Rs. 15,75,000 of which the 2nd instalment of Rs. 5,75,000 was raised at 4 per cent.).	17th July 1899	Nos. 504 12-4-94, 8976 7-11-95, 14435 25-3-97. and 13697 7-3-95, 12034/5 4-2-97 and 8992 7-11-95,	Nos. 3601 22-8-95, 2343 and 883 22-2-99, 2343 25-6-99. 2320 3-6-99
14	The Loan for Sewerage and other Sanitary Works (Rs. 25,00,000).	17th and 18th July 1899 ...	Nos. 8976 7-11-95, 14435 25-3-97. and 12034/5 4-2-97	Nos. 3841 A 28-8-97, and Telegram 26-7-98 2320 3-6-99.
15	The Loan for Plague purposes (Rs. 20,00,000).	6 lakhs raised between 15th July and 20th Dec. 1899, 6 lakhs raised in Nov. 1900 and 8 lakhs raised between 12th Aug. and 9th Oct. 1902.	No. 8099 6-12-97.	Nos. 4960 5-9-98 and 2560 16-9-99.
16	The Loan for Sewerage, Roads and other Sanitary Works (Rs. 19,25,000).	18th and 19th July 1899 and September 1900.	No. 828 18-4-98.	Nos. 4960 5-9-98 and 2440 16-6-99.
17	The Loan for certain Sewerage and Water Works (Rs. 24,75,000).	6 lakhs raised between 15th June and 1st July 1901, 11 lakhs raised between 23rd Aug. and 31st October 1901, 4 lakhs raised between 19th Aug. and 28th Oct. 1902, and 3¾ lakhs raised on 9th Sep. 1903.	No. 1956 14-5-1900.	No. 3427 15-6-1901.
18	The Loan for certain Water Works (Rs. 12,75,000).	1st September 1904	No. 244 23-4-03.	No. 4416 22-8-04.
19	The 2nd 2¾ Lakhs Loan for certain Sewerage Works.	Rs. 12 lakhs raised on 3rd September 1905 and Rs. 12¾ lakhs on 9th September 1907.		No. 4004 21-7-05 and Telegram 31-8-05. No. 4792 5-8-07 and Telegram 31-7-07.
20	The 13½ Lakhs Loan for the construction of quarters for Halalkhores and Biggaries.	7th August 1908	No. 2204 of 29-6-08	No. 3447 9-5-08.
21	The 15 Lakhs Loan for Street Improvements.	29th July 1909	No. 7559 of 20-3-07	No. 5178 17-8-08.
22	The 30 Lakhs Loan for the acquisition of sites for the construction of various overbridges in the City.	29th July 1909, and 10th August 1910.	No. 181 of 8-4-09	No. 3842 28-7-09.
23	The 55 Lakhs Loan for Drainage, Sanitary, Water and other Miscellaneous works.	7th and 10th August and 1st November 1911 and 1st August 1913.	No. 6426 of 31-1-10	No. 4680 1-8-11 and Telegram No. 4686-A. 28-7-11
24	The 70 Lakhs Loan for the re-duplication of the Tansa Main and other Auxiliary Works.	9th September 1913, 22nd July 1914 and 10th April 1915.	No. 4051 of 14-10-12	No. 6159 21-8-13 and Telegram 18-8-13.
25	The 20 Lakhs Loan for Street Improvement.	9th September 1913 and 24th September 1915.	No. 4047 of 14-10-12	Do.
26	Loan of Rs. 43 Lakhs for Drainage, Water, Roads and Miscellaneous works.	1st August and 24th September 1915.	No. 4051 of 14-10-12 and No. 2608 of 26-7-15.	7586 (G. D.) 1-10-15
	3½ per cent. Loan.			
	The Loan for Sewerage, Wari Bunder, &c., Board. Burial Ground and certain Water Works (Rs. 15,75,000, of which the 1st instalment of Rs. 10 lakhs was raised at 3½ per cent.)	1st December 1898	(*Vide* Reso. Nos. against Loan No. 13.)	(*Vide* Reso. Nos. against Loan No. 13) ... ...

W. E. WAITE,
Chief Accountant.

No. 11.

Loans, the amounts payable for the year 1917-1918, the amounts paid by the Bank Balances outstanding on 31st March 1918.

Date when Loan is repayable.	Interest outstanding on 1st April 1917.	Interest payable in 1917-1918.	Total Interest due.	*Deduct*—Interest paid by the Bank of Bombay.	Outstanding Balance on 31st March 1918.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1st January 1919...	13,837 8 0	14,600 0 0	28,437 8 0	12,725 0 0	15,712 8 0
1st July 1925	27,362 8 0	1,86,950 0 0	2,14,312 8 0	1,69,762 8 0	45,050 0 0
1st February 1928	7,300 0 0	35,000 0 0	42,300 0 0	34,925 0 0	7,375 0 0
Between 1st January 1928 and 1st January 1953.	33,712 8 0	7,35,000 0 0	7,68,712 8 0	6,99,850 0 0	68,862 8 0
1st January 1928	5,850 0 0	60,000 0 0	65,850 0 0	61,812 8 0	4,037 8 0
1st October 1928	7,400 0 0	50,425 0 0	57,825 0 0	52,425 0 0	5,400 0 0
1st July 1929	250 0 0	12,400 0 0	12,650 0 0	10,362 8 0	2,287 8 0
1st July 1930	16,025 0 0	1,75,000 0 0	1,91,025 0 0	1,64,462 8 0	26,562 8 0
1st July 1931	.....	40,000 0 0	40,000 0 0	40,000 0 0	.....
1st January 1923...	1,830 0 0	18,000 0 0	19,830 0 0	18,190 0 0	1,640 0 0
1st July 1923	13,240 0 0	1,68,000 0 0	1,81,240 0 0	1,54,520 0 0	26,720 0 0
1st July 1935	6,220 0 0	93,000 0 0	99,220 0 0	90,870 0 0	8,350 0 0
1st July 1936	280 0 0	23,000 0 0	23,280 0 0	19,930 0 0	3,350 0 0
1st November 1939	380 0 0	1,00,000 0 0	1,00,380 0 0	99,660 0 0	720 0 0
1st May 1920	6,000 0 0	80,000 0 0	86,000 0 0	78,950 0 0	7,050 0 0
1st June 1940	8,400 0 0	77,000 0 0	85,400 0 0	80,770 0 0	4,630 0 0
1st June 1943	7,520 0 0	99,000 0 0	1,06,520 0 0	99,380 0 0	7,140 0 0
1st August 1934	2,610 0 0	51,000 0 0	53,610 0 0	43,430 0 0	10,180 0 0
1st August 1946	2,020 0 0	99,000 0 0	1,01,020 0 0	92,620 0 0	8,400 0 0
1st May 1938	4,370 0 0	54,000 0 0	58,370 0 0	54,210 0 0	4,160 0 0
1st May 1949	5,290 0 0	60,000 0 0	65,290 0 0	63,190 0 0	2,100 0 0
1st May 1949	7,329 15 9	1,20,000 0 0	1,27,329 15 9	1,19,910 0 0	7,419 15 9
1st June 1942	.....	2,20,000 0 0	2,20,000 0 0	2,19,980 0 0	20 0 0
§1st June 1954 and 1st June 1974.	10,177 12 10 +2	2,80,000 0 0	2,90,177 12 10 +2	2,79,622 7 4	10,555 5 6
1st May 1955	534 10 6	87,265 0 0	87,799 10 6	86,620 15 8	{ 144 10 6 1,034 0 4*
1st May 1945	.....	2,00,735 6 0	2,00,735 6 0	2,00,561 6 0	{ 173 10 0
1st July 1936	402 8 0	35,000 0 0	35,402 8 0	34,825 0 0	577 8 0
Total Rs. ...	1,88,842 7 1 +2	31,74,375 0 0	33,63,217 7 1 +2	30,83,564 13 0	2,79,652 10 1

* Rs. 1,207-10-4 to be taken as saving.

§ Rs. 49,4 ,000 repayable on 1st June 1954.
„ 20,60,000 „ „ 1st June 1974.
Rs. 7 ,0,000

P. W. MONIE,
Municipal Commissioner.

Appendix No.
WATER WORKS

INCOME FOR 1917-18.

INCOME.	Amount. Rs. a. p.
Water Tax and other Miscellaneous Water Works Revenue—*vide* details in Appendix No. 1 (*vide* page 52) ...	* 26,97,720 0 1
Total Rs. ...	26,97,720 0 1

* This includes Rs. 14,19,061-8-0 being the amount of Water Tax by measurement, realized during 1917-18 as shown in the following Statement :—

W. E. WAITE,
Chief Accountant.

STATEMENT showing the quantity of Water by meter supplied under different Sub-heads and the Water Tax by measurement realized at different rates for the uniform quantity of 1,000 gallons.

PARTICULARS.	1912-13.		1913-14.		1914-15		1915-16.		1916-17.		1917-18.		
	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Callons	Amount.	Gallons.	Amount.	Gallons.	Amount.	
		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.	
Hotels	3,25,40,010	(a) As. 8 15,246 4 1	3,44,93,550	@ As. 8 17,246 12 5	2,55,28,005	@ As. 8 12,761 8 1	2,29,59,895	@ As. 8 11,479 15 2	3,83,30,975	@ As. 8 19,165 7 8	4,98,19,360	@ As. 8 24,909 10 11	
Cotton Factories	51,96,44,396	@ As. 8 2,59,822 3 2	52,06,83,100	@ As. 8 2,60,341 8 10	54,69,14,848	@ As. 8 2,73,457 7 0	58,14,81,781	@ As. 8 2,65,740 14 3	60,88,04,250	@ As. 8 3,04,402 1 11	60,57,04,110	@ As. 8 3,02,852 0 11	For trade purposes.
Flour Factories	2,16,24,000	@ As. 8 10,812 0 0	1,86,03,931	@ As. 8 9,301 15 4	2,35,84,750	@ As. 8 11,792 6 0	1,82,57,750	@ As. 8 9,128 14 0	2,91,29,645	@ As. 8 14,564 13 2	3,60,46,860	@ As. 8 18,023 7 2	
Other Factories	25,89,53,687	@ As. 8 1,29,476 13 6	26,44,71,739	@ As. 8 1,32,235 13 11	23,34,08,620	@ As. 8 1,16,704 4 11	27,63,10,920	@ As. 8 1,38,155 7 2	27,29,75,185	@ As. 8 1,36,487 9 6	38,56,14,920	@ As. 8 1,92,807 7 8	
Milch Cattle Stables ...	8,41,29,870	@ As. 3 & As. 4 31,478 3 10	9,38,30,750	@ As. 4 23,457 11 0	10,10,53,877	@ As. 4 25,263 7 6	13,03,46,755	@ As. 4 32,586 11 0	15,60,32,940	@ As. 4 39,008 3 9	20,41,48,399	@ As. 4 51,037 1 7	
Government Buildings (a).	24,15,70,114	55,954 6 2	22,82,24,226	50,535 13 10	22,77,03,579	50,303 4 2	33,32,07,749	At different rates. 75,272 15 10	37,65,63,266	At different rates 83,041 14 8	38,67,06,134	At different rates 1,28,528 5 1	...
Railways	42,37,15,391	@ As. 6½ 1,72,158 10 7	49,13,81,531	@ As. 6½ 1,99,603 6 9	52,39,93,475	@ As. 6½ 2,12,812 5 5	47,90,82,988	@ As. 6½ 1,94,627 7 5	55,87,11,870	@ As. 6½ 2,26,976 11 0	48,51,41,500	@ As. 6½ 1,97,088 11 9	
Port Trust...	16,41,94,267	@ As. 6½ 66,703 14 6	16,52,62,785	@ As. 6½ 67,133 15 1	21,47,61,005	@ As. 6½ 87,246 10 5	28,34,62,990	@ As. 6½ 1,15,156 13 5	34,58,31,070	@ As. 6½ 1,40,493 13 11	42,19,10,705	@ As. 6½ 1,71,401 3 7	A.
Suburbs (b)	12,13,37,149	86,517 14 10	15,25,01,574	1,11,647 14 2	15,26,05,525	1,15,261 8 10	15,33,54,707	At different rates. 1,17,822 5 10	12,65,79,250	At different rates 88,347 11 2	5,82,83,650	At different rates 56,685 2 6	A.
Miscellaneous (c)... ...	81,64,01,990	2,16,388 2 2	78,24,53,235	2,14,474 13 6	78,88,61,755	2,11,816 5 6	64,68,05,723	At different rates. 1,98,176 13 11	1,07,94,59,945	At different rates 2,67,796 5 9	1,31,44,83,017	At different rates 2,80,728 5 4	A
Total ..	2,68,71,10,874	10,45,558 8 10	2,75,18,46,421	10,85,979 12 10	2,83,84,10,439	11,17,479 3 10	2,88,02,71,258	11,58,148 6 0	3,59,24,18,397	12,55,284 12 6	3,94,78,58,645	14,19,061 8 6	

(a) The rates charged are in accordance with the Water Rules for the respective years

(b) The rates charged vary from As. 12 to Re. 1.

(c) The rates charged vary from As. 2 to As. 10.

A. These figures are exclusive of refunds.

12.

ACCOUNT.

EXPENDITURE FOR 1917-18.

EXPENDITURE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
General Superintendence (proportion of) (*vide* note ‡ at page 56).	48,766 8 7			
Assessment and Collection Charges (proportion of) (*vide* note † at page 56)	72,909 14 9	1,16,676 7 4		
Maintenance of Water Works (*vide* page 58)	4,31,265 8 9			
New Works (*vide* note * at page 58)	35,554 5 3	4,66,819 14 0		
			5,83,496 5 4	
Interest on Water Works Loans (Debt)—				
Due to Government—Vehar Debt	.....	86,115 2 0		
Due to the Public—				
Portion of 10 Lakhs for Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878	4,723 7 4			
Water Works portion of the 44 Lakhs Sanitary Works Loan (Rs. 18,98,921)	73,264 14 5			
Water Works portion of the 7 Lakhs Sanitary Works Loan (Rs. 1,90,389)	9,499 0 9			
Water Works portion of the 12 Lakhs Drainage and Water Works Loan (Rs. 85,000)	4,378 6 2			
Tansa Water Works Loan of Rs. 147 lakhs	6,99,350 0 0			
Water Works portion of the Rs. 10,08,500 Miscellaneous Works Loan (Rs. 1,35,000)	7,017 11 7			
Water Works portion of the 35 Lakhs Various Sanitary Works Loan (Rs. 9,20,000)	48,230 2 3			
Water Works portion of the 42 Lakhs Loan for repayment of Government Consolidated Loan (Rs. 28,59,762) ...	1,05,212 0 1			
Water Works portion of the 23¼ Lakhs Loan for Drainage and other Works (Rs. 2,45,500)	9,595 1 5			
Water Works portion of the 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Works (Rs. 30,000)	1,042 15 3			
Water Works portion of the 25 Lakhs Loan for Sewerage, &c., Works (Rs. 2,31,297)	9,220 6 9			
Water Works portion of the 24¾ Lakhs Loan for certain Sewerage and Water Works (Rs. 2,73,000)	10,961 14 7			
12¾ Lakhs Loan for certain Water Works (Rs. 12,75,000) ...	43,430 0 0			
55 Lakhs Loan for Miscellaneous Works (Rs. 4,49,542) ..	17,980 0 8			
70 Lakhs Loan for Reduplication of the Tansa Main and other auxiliary works	2,79,622 7 4			
Water Works portion of the 43 Lakhs Loan for Drainage, Water, Roads, and Miscellaneous Works (Rs. 2,00,500) ...	9,351 12 1	18,28,380 4 8		
Commission to the Bank of Bombay for payment of interest on the Water Works portion of the different Loans	6,126 8 6			
Miscellaneous Loan Charges, including Commission paid to the Bank of Bombay for drawing interest on Sinking Fund Investments	407 1 11	6,533 10 5		
			14,21,029 1 1	
Payments towards the reduction of debt or investment of Sinking Fund of the following Water Works Loans:—				
Vehar Debt		27,860 14 0		
Portion of the 10 Lakhs for Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878		24,313 4 7		
Water Works portion of the 44 Lakhs Sanitary Works Loan (Rs. 18,98,921) ...		19,414 5 7		
Do. do. 7 lakhs Sanitary Works Loan (Rs. 1,90 389) ...		2,279 3 8		
Do. do. 12 Lakhs Drainage and Water Works Loan (Rs 85,000)...		911 2 0		
Do. do. Rs. 10,08,500 Miscellaneous Work- Loan (Rs. 1,35,000),		1,505 4 0		
Tansa Water Works Loan of Rs. 147 Lakhs		64,986 1 8		
Water Works portion of the 35 Lakhs Various Sanitary Works Loan (Rs. 9,20,000)		11,490 14 10		
Do. do. 42 Lakhs Loans for repayment of Government Consolidated Loan (Rs. 28,59,762)		55,696 7 11		
Do. do. 23¼ Lakhs Loan for Drainage and other Works (Rs. 2,45,500)		2,910 9 2		
Do. do. 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Works (Rs 30,000)		349 13 10		
Do. do. 25 Lakhs Loan for Sewerage, &c., Works (Rs. 2,31,297)		2,711 11 7		
Do. do. 24¾ Lakhs Loan (Rs. 2,73,000)		3,201 13 5		
Do. do. 12¾ ,, ,, ...		24,214 14 1		
Do. do. 55 ,, ,, (Rs. 4,49,542)		9,789 8 10		
70 Lakhs Loan for Reduplication of the Tansa Main and other auxiliary works ...		78,134 13 2		
43 Lakhs Loan for Drainage, Water, Roads and Miscellaneous Works (Rs. 2,00,500)		4,214 5 2	3,33,885 3 6	
				23,38,414 9 11
Balance—Income in Excess of Expenditure ...				3,59,309 6 2
				26,97,720 0 1

P. W. MONIE,
Municipal Commissioner.

Appendix

WATER WORKS

SCHEDULE OF LIABILITIES AND

LIABILITIES.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Debt due to Government—			
Government of Bombay on account of Vehar Debt (see page 98)		21,37,633 9 9	
Debt due to the Public—			
Portion of 10 lakhs for the Bhandarwada Water Works of the Loan of Rs. 26,94,080 of 1878	96,696 5 10		
Water Works portion of the 44 lakhs Sanitary Works Loan.	16,13,651 4 7		
Water Works portion of the 7 lakhs Sanitary Works' Loan.	1,90,389 0 0		
Water Works portion of the 12 lakhs Drainage and Water Works Loan	85,000 0 0		
Water Works portion of the Miscellaneous Works Loan of Rs. 10,08,500	1,95,000 0 0		
Water Works portion of the 35 lakhs Various Sanitary Works Loan	9,20,000 0 0		
Tansa Water Works Loan of 147 lakhs	1,47,00,000 0 0		
Water Works portion of the 42 lakhs Loan for repayment of the balance of Government Consolidated Loan ...	28,59,762 0 0		
Water Works portion of the 23¼ lakhs Loan for Drainage and other Works	2,45,500 0 0		
Water Works portion of the 15⅞ lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works	30,000 0 0		
Water Works portion of the 25 lakhs Loan for Sewerage, Roads and other Works	2,31,297 0 0		
Water Works portion of the 24¼ lakhs loan for certain Sewerage and Water Works	2,73,000 0 0		
12¾ Lakhs Loan for certain Water Works	12,75,000 0 0		
Water Works portion of the 55 Lakhs Loan for Mis. Works.	4,49,542 0 0		
70 Lakhs' Loan for the Reduplication of the Tansa Main and other Auxiliary Works	70,00,000 0 0		
Water Works portion of 43 Lakhs Loan for Miscellaneous Works	2,00,500 0 0	3,03,05,337 10 5	3,24,42,971 4 2
II.—Amount Advanced from Surplus Loan Balances ...			1,00,684 10
III.—Sinking Funds on Municipal Loans (invested as per contra)			71,20,486 4 11
IV.—Special Funds—			
Worn-out Water Mains Renewal Fund (invested as per contra)		6,16,854 6 2	
Net Premia Fund (invested as per contra)		1,17,755 1 7	7,34,609 7 9
V.—Capital Account—			
General Reserve being Assets in excess of Liabilities ...			58,84,492 5 10
Total Rs.			4,62,83,244 1 5

W. E. WAITE,

Chief Accountant.

No. 13.
ACCOUNT.

ASSETS AT 31ST MARCH 1918.

ASSETS.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Properties—			
Water Works executed out of Loan and Reserve Funds as detailed at pages 84 to 96 (*vide* Appendix No. 8) ...			3,84,28,148 4 9
II. Investments—			
1. Bank of Bombay, Municipal Loans Sinking Fund Deposit Accounts—			
Rs. a. p.			
5 per cent. Loans 41,43,659 0 11			
4 „ „ 29,66,103 8 8			
3½ „ „ 10,723 11 4			
	71,20,486 4 11		
2. Bank of Bombay—Worn-out Water Mains Renewal Fund Deposit Account (*vide* page 65)	6,16,854 6 2		
3. Bank of Bombay—Net Premia on different Municipal Loans Deposit Account (*vide* note * at page 65) ...	1,17,755 1 7		
		78,55,095 12 8	
4. Loan Funds Investments Deposits (*vide* note ‡ at page 79)	58,549 0 10		
Amount advanced from Surplus Loan balances per contra.	1,00,684 10 9		
	1,59,233 11 7		
Less—Value of properties (Water Works) executed out of Loan Funds Advances (*vide* note ‡ at page 79)	1,59,233 11 7	.....	78,55,095 12 8
		TOTAL Rs. ...	4,62,83,244 1 5

P. W. MONIE,
Municipal Commissioner.

Appendix No. 14.

STATEMENT showing the New Works financed from Surplus Cash (Revenue) Balance pending adjustment against savings in Loan Works already completed or inclusion in a New Loan to be raised hereafter.

Serial No.	PARTICULARS OF WORK.	Amount sanctioned.	Amount of expenditure adjusted against Loan Funds.	Balance.		Actual expenditure incurred up to 31st March 1918 to be adjusted hereafter.	REMARKS.
				Required for expenditure.	Not required.		
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
1	Construction of King Edward VII Memorial Hospital (Municipal share of the cost)...	3,22,197 7 7	.....	6,760 0 0	.....	3 15 437 7 7	
2	Widening and reconstructing Mahim Bazar Road	4,00,000 0 0	.....	84,021 1 10	.....	3,15,978 14 2	
3	Widening of Church Gate Street and Armenian Lane and construction of a new straight road from the junction of Esplanade Road and Armenian Lane eastwards to Tamarind Lane:						
	Total cost including the purchase of frontages	17,00,000 0 0	.....	16,13,997 0 0	.....	86,003 0 0	
	Less—						
	Amount to be recovered by the sale of frontages	10,00,000 0 0	.....	10,00,000 0 0	.....	.....	
		7,00,000 0 0	.....	6 13,997 0 0	.....	86,003 0 0	
4	Widening and draining Wandby Road	36,500 0 0	.....	.....	.....	36,500 0 0	
5	Paving Frere Road with Indian Wood paving blocks (experimental)	50,000 0 0	.....	50,000 0 0	.....	.....	
6	Cost of a plot of land at Clerk Road required for the use of the Road Department for stacking materials, parking carts, &c. ...	24,300 0 0	.....	.....	.....	24,300 0 0	
7	Constructing a S. W. Drain 2'×2' ×6" in Thakurdwar Road between Queen's Road and Girgaum Road...	20,920 0 0	.....	3,560 8 9	.....	17,359 7 3	
8	Construction of a new drainage outfall at Love Grove	2,35,000 0 0	.....	1,48 623 6 8	.....	86,376 9 4	
9	Payment to Mr. G Midgley Taylor for his advice on the following drainage schemes						
	(1) New S. W. Outfall at Worli together with punning arrangements	3,200 0 0	.....	.....	57 3 11	3,142 12 1	
	(2) Additional pumping machinery at Love Grove Pumping Station on account of the duplication of the Tansa Main	1 800 0 0	.....	.....	12 4 10	1,787 11 2	
	Carried over Rs. ...	17,93,917 7 7	.....	9 06,962 1 5	69 8 9	8,86,885 13 7	

Appendix No. 14—*concluded.*

Serial No.	Particulars of Work.	Amount sanctioned.	Amount of expenditure adjusted against Loan Funds.	Balance. Required for expenditure.	Balance. Not required.	Actual expenditure incurred up to 31st March 1918 to be adjusted hereafter.	Remarks.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
	Brought forward Rs. ...	17,93,917 7 7	.....	9,06,962 1 3	.....	3,86,885 13 7	
	(8) Initial advice on the question of the S. W. Outfall at Worli.	1,000 0 0	.....	.....	.....	1,929 13 2	
10	Provision of a 9" pipe sewer in a portion of Mahim District a septic tank and a hopper near the foreshore at Mori Road, Mahim	7,900 0 0	.....	7,900 0 0	.....	.....	
11	Laying 5" water mains in a portion of the City Improvement Trust scheme No. XXXI between Jeejeebhoy Lane and Lallbaug ...	14,300 0 0	.....	14,300 0 0	.....	.....	
	Tansa Reduplication and Auxiliary Works :—						
12	Duplicating Syphons Nos. 1 to 7.	4,338 0 0	.....	5,769 11 2	.....	Cr. 1,431 11 2	
13	Duplicating Syphon No. 8 ...	2,663 3 0	.....	8,156 12 8	.....	Cr. 5,493 9 8	
14	Distributing mains in the City.	19,472 14	.....	18,802 0 0	.....	24,670 14 4	
15	Raising Tansa Dam	1,160 0 0	.....	541 5 3	.....	918 10 9	
16	Reservoir at Golanji Hill (Contingent expenses)	3,783 6 6	.....	.....	.....	3,783 6 6	
17	Miscellaneous expenses in connection with the removal of the villages in the Tansa Catchment area	500 0 0	.....	463 7 0	.....	36 9 0	
18	Laying 9' × 5' mains on the Estate of the City Improvement Trust between Kingsway and the G. I. P. Railway Dadar Station	44,134 0 0	.....	43,805 15 3	.....	628 0 9	
19	Amount payable to the G. I. P. Railway as Municipal contribution towards the cost of extending the Tansa Main overbridge at Ghatkoper on account of the quadrupling of the Railway lines	25,000 0 0	.....	.....	1,231 0 0	23,768 0 0	
20	Filling in the Roman Catholic Cemetery at Haines Road and acquisition of additional land therefor, including compound wall, drainage arrangements, &c.	50,890 0 0	.....	40,419 11 10	.....	10,470 1 2	
21	Construction of 10 new kutchra wagons for the Health Department	30,010 0 0	.....	30,010 0 0	.....	.....	
		27,26,668 15	.....	10,77,131 0 5	1,231 11 7	9,18,166 3 5	

W. E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

Appendix

STATEMENT showing the quantity and value of several articles upon which Town Duty was

Duty Collected by	GRAIN AND PULSE AT 6 ANNAS PER CANDY			FLOUR OF ALL SORTS AT 75 PER CENT. OF THE RATE AT THE TIME BEING LEVIED ON THE GRAIN FROM WHICH FLOUR IS PREPARED.			WINES AND SPIRITS AT 4 ANNAS PER GALLON.			BEER AT 6 PIES PER GALLON.		
	Candies.	Furras.	Amount of Duty.	Candies.	Furras.	Amount of Duty.	Gallons.	Pints.	Amount of Duty.	Gallons.	Pints.	Amount of Duty.
BOMBAY PORT TRUST.			Rs. a. p.			Rs. a. p.			Rs. a. p.			Rs. a. p.
April 1917	20,952	4	34,107 3 6	....	..	.....	58,221	2	29,855 4 9	54,078	0	1,489 15 6
May ,, ...	68,797	3	22,049 0 3	595	0	151 9 0	86,789	2	21,697 5 0	74,039	4	1,332 3 3
June ,, ...	73,673	5	27,352 10 0	39	0	11 0 6	89,746	5	22,436 10 9	57,582	0	1,727 14 0
July ,, ...	86,771	6	32,240 8 6	841	0	210 11 6	84,511	0	21,127 12 0	41,744	0	1,253 10 0
August ,, ...	36,884	6	14,381 12 2	324	2	80 15 0	1,14,141	1	28,579 0 11	46,782	4	1,403 15 3
September ,, ...	52,928	4	19,848 3 6	511	6	87 11 0	1,18,597	3	29,899 5 8	71,677	0	2,239 15 6
October ,, ...	20,754	0	7,782 11 6	2	7	0 13 0	1,08,143	5	27,035 14 4	43,780	5	1,366 9 4
November ,, ...	34,037	4	12,764 1 1	5	2	1 8 0	1,07,036	6	25,909 2 10	49,737	1	1,554 4 7
December ,, ...	65,770	5	24,663 15 9	....	..	.....	1,15,710	7	28,927 11 6	1,01,178	4	3,161 5 3
January 1918	44,478	5	16,679 8 2	1	0	0 7 6	1,06,249	3	26,562 5 8	1,16,144	7	3,629 8 5
February ,, ...	42,372	1	15,889 8 8	....	..	.....	92,778	2	23,194 8 10	75,792	0	2,368 8 0
March ,, ...	13,091	7	4,909 7 2	....	5	0 3 0	1,24,516	3	31,129 1 4	9,330	7	291 9 5
Total ..	6,21,916	2	2,33,218 10 4	2 184	2	608 14 6	12,23,816	7	3,05,954 3 7	7,44,962	0	23,279 5 0
G. I. P. RAILWAY.												
April 1917	2,40,730	6	90,274 1 0	1,801	2	531 15 0	902	0	225 8 0	3,808	0	119 0 0
May ,, ...	2,06,511	2	77,441 11 0	428	1	120 9 0	1,104	0	276 0 0	8,922	0	269 1 0
June ,, ...	2,73,794	1	1,02,297 13 0	108	7	30 10 0	142	0	35 8 0	8,480	0	265 0 0
July ,, ...	1,33,726	32	50,147 5 0	....	..	.....	70	0	17 8 0	9,280	0	290 0 0
August ,, ...	81,789	2	33,669 8 0	1,817	2	511 2 0	1,235	0	308 12 0	16,692	0	521 10 0
September ,, ...	1,13,017	0	42,381 6 0	3,181	4	894 13 0	1,344	0	336 0 0	18,800	0	587 8 0
October ,, ...	1,96,042	32	73,140 14 0	1,321	7	371 9 0	898	0	209 8 0	17,240	0	538 12 6
November ,, ...	2,78,383	4	1,04,481 5 0	1,694	5	507 14 0	1,197	0	299 4 0	6,248	0	195 4 0
December ,, ...	1,73,627	4	65,110 5 0	168	7	47 6 0	1,682	0	420 8 0	18,684	0	583 14 0
January 1918	2,60,781	5	1,05,813 8 0	6	0	1 11 0	583	4	145 14 0	10,400	0	325 0 0
February ,, ...	1,26,701	6	47,513 3 0	68	1	19 3 0	1,620	0	407 8 0	12,480	0	390 0 0
March ,, ...	1,47,735	4	55,400 13 0	....	0	.....	4,128	2	1,032 1 0	8,320	0	260 0 0
Total ..	22,73,122	1	8,48,570 12 0	10,626	5	2,938 14 0	14,855	6	3,713 15 0	1,37,794	0	4,306 1 0
B. B. & C. I. RY.												
April 1917	74,429	4	27,911 1 0	13,704	0	3,823 5 0	2,486	0	621 8 0	3,632	0	113 8 8
May ,, ...	93,543	2	34,703 12 0	9,622	7	2,444 14 0	1,640	0	412 4 0	7,622	0	238 3 0
June ,, ...	98,871	7	37,076 15 0	3,288	7	910 15 0	2,864	0	716 0 0	2,080	0	64 1 0
July ,, ...	74,491	7	27,935 9 0	6,042	0	1,699 7 0	2,959	0	774 12 0	6,176	0	200 13 0
August ,, ...	35,374	6	12,065 1 0	6,449	2	1,813 14 0	2,435	6	608 15 0	4,260	0	133 5 0
September ,, .. .	29,527	1	11,072 11 0	11,671	3	3,276 14 0	1,672	0	418 0 0	6,240	0	195 10 0
October ,, ...	30,038	0	11,602 0 0	11,006	5	3,939 5 0	2,584	4	646 0 0	9,090	0	284 1 0
November ,, ...	71,058	1	26,981 5 0	7,762	0	2,742 12 0	2,991	0	747 12 0	8,836	0	276 2 0
December ,, ...	66,200	0	25,576 0 0	8,197	0	2,299 8 0	3,704	0	926 0 0	9,280	0	289 1 0
January 1918	96,025	6	36,300 14 6	6,817	4	1,924 5 0	3,554	0	888 8 0	5,070	0	158 7 0
February ,, ...	71,992	6	26,697 5 0	821	4	231 1 0	4,931	0	1,232 12 0	2,080	0	65 5 0
March ,, ...	54,831	0	20,661 10 0	544	7	153 4 0	4,768	0	1,192 0 0	8,184	0	255 12 0
Total ..	8,00,737	6	3,00,983 2 0	91,946	7	25,269 6 0	38,337	8	9,084 7 0	71,816	0	2,244 4 0
GRAND TOTAL ..	36,95,796	1	13,93,173 9 4	1,02,698	3	28,715 2 6	12,75,010	31	3,18,752 9 7	9,53,972	0	29,811 10 0
Deduct— Refunds passed by the Revenue and Refund Audit Officer ..	29,20,039	6	7,57,514 15 0	4,07,722	5	1,14,053 4 0	1,08,251	2	27,062 13 0	3,20,612	0	10,019 1 0
Net Revenue ..	16,65,756	7	6,24,658 10 4	....	..	.....	11,66,759	1	2,91,689 12 7	6,33,360	0	19,792 8 0
Excess Refund over Collection	..	..	.. ..	3,05,024	2	—85,338 1 0	....	..	.....	....	..	.....

ABSTRACT.

	Rs. a. p.	Rs. a. p.
Balance of collections on 31st March 1917 due by—		
Port Trust	11,317 10 0	
G. I. P. Railway	31,392 6 3	
B. B. & C. I. Railway	2,271 11 11	
		45,481 12 2
Add—		
Collections for 1917-1918—		
Port Trust	25,90,735 4 8	
G. I. P. Railway	13,76,414 2 3	
B. B. & C. I. Railway.	5,79,161 11 3	
		45,55,335 2 2
		46,00,768 14 4
Deduct— Refunds paid in 1917-1918..	24,14,17- 1 0	
	Rs. a. p.	
Balance of collections on 31st March 1918, due by— { Port Trust	67,091 2 3	
{ G. I. P. Railway ..	61,456 4 9	
{ B. B. & C. I. Railway ..	1,11,119 13 0	
	1,69,641 4 0	
		25,73,822 5 0
		20,26,947 9 4
Add— Collections from the G. I. P. Railway for 191 -, [illegible] this office books in 1917-18	Rs. a. p. 20,385 7 6	
Amounts of bills for commission charges for February 1918 recovered by the Railway Companies in 1918-19—		
Commission charges Bill from G. I. P. Railway for February 1918	31,935 13 1	
Do. do. B. B. & C. I. Railway for February 1918	1,804 6 4	
		33,740 9 11
		20,60,688 3 3
Deduct— Collections from the G. I. P. Railway 1917-18 [illegible] this office books in 1918-19 ..		20,385 7 6
	Total .. Rs.	20,40,304 11 9 *vide* Appendix No. 1.

W. E. WAITE,
Chief Accountant.

No. 15.

levied during 1917-18 under Section 192 (1) of the City of Bombay Municipal Act of 1888.

Sugar at 8 Annas per Cwt.				Ghee at 10 Annas per Bombay Maund.			Timber at 2½ per cent. on Market Value.		Firewood at 2 Annas per Candy.			Total Monthly Collections.
Cwts.	qrs.	lbs.	Amount of Duty.	Maunds.	Seers.	Amount of Duty.	Value.	Amount of Duty.	Candies.	Maunds.	Amount of Duty.	
			Rs. a. p.			Rs. a. p.	Rs. a. p.	Rs. a. p.			Rs. a. p.	Rs. a. p.
143,333	3	21	1,21,666 15 6	14,282	17	8 926 8 3	18,88,297 4 8	47,209 14 11	74,220	0	2,777 8 0	2,43,433 5 11
229 318	2	21	1,19 59 5 6	16,800	16	11,750 4 0	26,52 218 15 4	66,305 7 7	44,057	0	2,207 2 0	2,81,361 4 7
21,687	0	7	10,843 6 6	2,284	6	2,013 13 6	6,78 68 10 0	16,967 0 3	16,296	0	2,112 4 0	33,454 13 6
123,413	0	0	61,206 8 0	8,862	8	7,391 6 0	7,74,6 9 3 8	19,366 11 8	219	0	27 6 0	1,40,871 9 8
238,183	1	7	1,18,091 2 6	15,396	36	8 375 7 0	7,9 .,10 12 8	19,927 9 11	219	0	27 6 0	1,91 291 4 10
182,530	0	3	91,265 6 3	14,758	20	9,711 9 0	1,75,912 11 4	4,390 5 1	914	0	114 4 0	1,96,055 6 0
408.143	2	24	2, ..,571 13 6	16,932	25	10,595 6 3	29,38,3 6 4 0	73,2 8 6 6	18,563	7	1,695 6 6	3,29, 57 0 11
122,273	3	11	61,136 14 9	19 198	11	11,998 14 9	9,36,341 0 8	23,158 8 5	29,577	14	3,774 11 0	1,40,268 1 5
382,864	0	14	1,91,1 27 1 0	3 . 853	3 .	12,408 11 7	4,1 ,0,3 8 8	11,025 13 5	29,864	14	3,695 9 0	2,79,873 2 6
433,309	1	24	2,16 654 11 0	31,759	26	19,037 7 0	13,8 781 4 0	34 544 0 6	44,278	14	5,894 13 0	3,22,792 14 9
119,224	1	7½	59,6.2 2 6	20, 21	19	12,950 14 9	14,07, 63 5 4	35,1 9 1 4	53,207	0	6,650 13 0	1,55,855 10 1
487,921	2	7	2-18.960 12 6	21,571	13	13,4 2 1 3	16 37,163 15 4	40,928 13 7	59,693	14	7,461 11 0	3,07,163 11 3
29,51,172	0	3½	14, 5,586 9 3	1,96,911	5	1,23.069 7 4	1 5 ,,88, 7 14 8	3,92 2 1 13 2	3,66,711	7	45,838 14 6	25,9 ,759 4 8
16,590	3	14	8,195 7 0	23,974	18	14,984 0 6	22 732 8 0	568 13 0	964	14	120 9 0	1,15,019 5 6
36,536	0	14	17,764 1 0	28,120	37	15,700 9 3	40,210 0 0	505 4 0	993	14	1 2 11 0	1,12,194 14 3
11,256	2	0	5,.2 4 0	22,091	5	13,4 6 15 3	13,075 0 0	329 14 0	8 4	14	110 9 0	1,22 501 9 3
16,47	0	14	8,235 1 9	20,777	1	12 945 10 3	88,640 0 0	986 0 0	1,951	0	243 14 0	72,955 6 2
22,919	2	0	11,459 12 0	35,028	10	21 892 10 6	57,558 0 0	1,441 6 0	2,827	14	353 7 0	70,158 3 6
52,582	2	0	29,791 4 0	34,089	12	21 3 5 13 0	19,517 8 0	487 15 0	1,1 1	0	141 6 0	65,926 1 0
79,845	2	0	39,923 4 0	45 .02	31	28,851 11 9	35,969 0 0	849 0 0	68	0	76 0 0	1,43,860 10 9
125,8 4	1	0	67,9 3 10 0	33,13 9	39	20,712 7 9	34,416 0 0	1,361 2 0	923	0	115 4 0	1,93,412 2 9
58,417	2	0	27,7 8 12 0	29, 62	17	18,539 0 3	1,06,2 0 0 0	2 655 0 0	1,030	0	128 12 0	1,75,193 11 3
56838	2	14	28,419 5 0	31,858	31	19722 15 9	60,.30 0 0	1,501 12 0	736	0	92 0 0	1,59,.20 1 9
25790	2	14	11,.95 5 0	44,824	9	27,990 2 3	1,17 297 8 0	2,932 7 0	7,110	0	888 12 0	9 ,936 8 3
16,780	0	14	8,390 1 0	27,8 2	35	17,426 12 9	68,745 0 0	1,718 10 0	2,133	0	304 2 0	84,532 7 9
530,708	1	0	2,6 .354 2 0	3,73,630	5	2 33 518 13 3	6.12,52 8 0	15,318 3 0	21,579	0	2,697 6 0	13,76,411 2 3
8	3	14	4 7 0	8,417	4	5,260 11 0	37,750 0 0	943 12 0	4,111	0	513 14 0	39,192 2 0
15	1	14	7 11 0	11,244	36	7,466 9 0	1320 0 0	33 0 0	3,806	0	475 12 0	40,781 1 0
207	2	0	103 12 0	13,128	26	8,205 9 0	47. 7. 0 0	1184 6 0	5,892	0	736 8 0	48,9 8 2 0
1	0	14	0 9 0	43,563	19	27,227 2 9	43,127 8 6	1,078 3 0	20 775	0	2,596 14 0	61,413 3 9
21	1	0	10 10 0	24,891	28	18.119 13 0	62,930 0 0	1,573 4 0	27,493	0	3,436 10 0	39,2.9 8 0
....			....	16,195	32	10,122 6 0	16,200 0 0	405 0 0	16,853	0	2,106 10 0	27,597 3 0
....			....	33,325	4	20 8 8 0	11,209 8 0	280 1 0	25,243	0	3,155 6 0	40,7 5 0 0
....			....	27,730	52	17,331 12 0	31,8 2 8 0	784 1 0	25,889	0	3,236 2 0	52.102 14 0
....			....	22,460	0	13,787 8 0	36,232 8 0	905 9 0	33,083	0	4,135 6 0	47,888 0 0
1,543	3	14	771 15 0	30,882	16	19,176 8 6	1,25,382 8 0	3,134 9 0	47,487	0	5,935 14 0	68,261 0 6
853	2	0	426 17 0	26,023	4	1,.764 7 0	1,65,755 0 0	4,143 14 0	33,508	0	4,093 8 0	53,425 0 0
555	0	14	277 9 0	40,256	16	25,160 4 0	17,230 0 0	430 12 0	51,323	0	6,440 6 0	84,471 3 0
3,206	2	14	1,603 5 0	3,02,319	29	1,.8,949 13 3	5,9 .857 8 0	14,896 7 0	2,94,663	0	36,832 14 0	5,79,164 11 3
2,485,086	3	17½	17,42,543 7 3	9,7,,860	39	5,45,538 1 10	1,68,97,257 14 8	4,22,431 7 2	6,82,953	7	85,369 2 6	46,55,835 2 2
2,410,338	8	0	19,05,494 6 0	3,27,496	32	2,04,685 8 0	9,76,427 8 0	24 410 11 0	....	..	.....	23,43,240 11 0
1,074,098	0	17	5,37,049 1 3	5,45,364	7	3,40,852 9 10	1,59,20,830 6 8	3,98,020 12 2	6,82,953	7	85,369 2 6	22,97,432 8 8
.....			.....	....	..	.....	.....	....	....	..	.....	—36,338 1 6
											Net Revenue .. Rs. .	22,12,094 7 2

P. W. MONIE,
Municipal Commissioner.

Appendix No. 16.

STATEMENT showing the net Revenue derived on different dutiable articles during the last ten years commencing from 1908-09 to 1917-18.

Articles.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
	@ annas 4.	@ annas 4.	@ annas 6.	@ annas 6.	@ annas 6.	@ annas 6.	@ annas 6.	@ annas 6.	@ annas 6.	@ annas 6.
Grain	3,22,386 2 0	2,70,212 1 9	4,48,484 15 8	4,67,041 1 4	4,26,970 4 8	4,28,562 8 5	4,35,874 6 9	6,87,104 4 0	5,65,407 12 1	6,24,658 10 4
	@ annas 3.	@ annas 3.	@ annas 4½.	@ annas 4½.	@ annas 4½.	@ annas 4½.	@ annas 4½.	@ annas 4½.	@ annas 4½.	@ annas 4½.
Flour	—16,150 11 9	—15,267 7 0	—28,023 5 0	—32,597 0 3	—33,911 15 0	—37,921 5 0	—37,985 1 0	—41,744 7 0	—66,917 11 0	—85,338 1 6
	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.
Wines and Spirits ...	2,29,959 12 10	2,37,077 4 5	2,38,315 5 0	2,20,332 11 1	2,29,366 0 10	2,24,814 11 9	2,34,403 3 9	2,46,021 5 6	2,73,935 2 4	2,91,689 12 7
	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.
Beer	8,353 4 3	12,858 2 7	11,298 15 0	11,518 1 3	10,317 10 5	15,216 6 4	14,359 8 5	18,189 7 8	23,578 14 5	19,792 8 0

	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.
Sugar...	3,61,917 15 6	4,38,451 8 3	4,46,287 7 8	1,49,829 15 1	6,20,853 11 2	5,56,178 9 9	1,23,089 10 3	5,59,283 8 7	3,73,017 3 6	5,37,049 1 3
	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.
Ghee	2,51,745 12 1	2,45,195 1 10	2,54,687 13 3	2,69,599 15 6	2,37,877 2 6	2,55,818 1 0	2,62,513 3 9	2,79,053 0 3	2,64,306 9 0	3,40,852 9 10
	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀
Timber	1,64,969 12 11	1,74,592 10 10	1,53,324 14 5	1,95,427 10 10	1,70,192 13 2	2,09,486 8 6	1,98,770 0 0	2,05,571 2 4	3,45,539 0 11	3,98,020 12 2
	.....	.....	@ annas 2.	@ annas 2.	@ annas 2.	@ annas 2.	@ annas 2.	@ annas 2.	@ annas 2.	@ annas 2.
Firewood	.....	.....	70,248 5 1	72,056 1 10	70,527 10 8	69,788 3 9	60,644 9 6	68,179 10 6	65,892 4 6	85,869 2 6
Total Rs...	13,23,181 15 10	13,63,119 6 8	15,92,169 7 0	13,53,208 8 8	17,21,893 6 5	17,16,893 12 6	10,45,689 4 11	19,66,657 15 10	18,41,259 3 9	22,12,094 7 2

N.B.— This statement shows the net Revenue after deducting from gross collections refunds *passed* for payment by the Revenue and Refund though such refunds may not actually have been fully paid.

W. E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

Appendix

STATEMENT showing the actual Collections, Refunds admitted and Net

ARTICLES.	1913-14.			1914-15.		
	Gross Collections.	Refunds.	Net Revenue.	Gross Collections.	Refunds.	Net Revenue.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Grain	9,75,648 0 5	5,52,085 8 0	4,23,562 8 5	7,76,784 9 9	3,40,910 3 0	4,35,874 6 9
Flour	833 3 0	38,754 8 0	—37,921 5 0	1,509 12 0	39,494 13 0	—37,985 1 0
Wines and Spirits	2,63,146 1 9	38,331 6 0	2,24,814 11 9	2,68,328 5 9	33,926 2 0	2,34,402 3 9
Beer	38,920 5 4	23,703 15 0	15,216 6 4	38,223 1 5	23,863 9 0	14,359 8 5
Sugar	21,51,182 13 9	15,95,004 4 0	5,56,178 9 9	9,04,601 15 9	10,27,691 10 0	—1,23,089 10 3
Ghee	2,71,867 14 0	16,049 13 0	2,55,818 1 0	3,38,109 11 9	75,596 8 0	2,62,513 3 9
Timber	2,31,917 6 6	22,430 14 0	2,09,486 8 6	2,39,354 15 0	40,584 15 0	1,98,770 0 0
Firewood	69,738 3 9	.....	69,738 3 9	60,844 9 6	.....	60,844 9 6
Total Rs. ...	40,03,254 0 6	22,86,360 4 0	17,16,893 12 6	26,27,757 0 11	15,82,067 12 0	10,45,689 4 11

W. E. WAITE,
Chief Accountant.

No. 17.

Revenue during the five years from 1913-14 to 1917-18.

1915-16.			1916-17.			1917-18.		
Gross Collections.	Refunds.	Net Revenue.	Gross Collections.	Refunds.	Net Revenue.	Gross Collections.	Refunds.	Net Revenue.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
11,08,543 15 0	4,71,439 11 0	6,37,104 4 0	10,86,650 15 1	5,24,243 3 0	5,62,407 12 1	13,82,173 9 4	7,67,514 15 0	6,14,658 10 4
1,268 8 0	43,010 15 0	—41,744 7 0	6,115 2 0	73,032 13 0	—66,917 11 0	28,715 2 6	1,14,053 4 0	—85,338 1 6
2,76,014 10 6	29,993 5 0	2,46,021 5 6	3,04,194 0 4	30,258 14 0	2,73,935 2 4	3,18,752 9 7	27,062 18 0	2,91,689 12 7
29,793 1 8	16,603 10 0	13,189 7 8	40,701 8 5	17,122 10 0	23,578 14 5	29,811 10 0	10,019 2 0	19,792 8 0
15,48,831 12 7	9,89,548 4 0	5,59,283 8 7	15,55,118 6 6	11,82,101 3 0	3,73,017 3 6	17,42,543 7 3	12,05,494 6 0	5,37,049 1 3
8,92,462 6 3	1,13,409 6 0	2,79,053 0 3	4,54,179 11 0	1,89,873 2 0	2,64,306 9 0	5,45,538 1 10	2,04,685 8 0	3,40,852 9 10
2,35,009 2 4	29,438 0 0	2,05,571 2 4	3,72,953 10 11	27,414 10 0	3,45,539 0 11	4,23,431 7 2	24,410 11 0	3,98,020 12 2
68,179 10 6	.....	68,179 10 6	65,392 4 6	.....	65,392 4 6	85,369 2 6	.....	85,369 2 6
36,60,101 2 10	16,93,443 3 0	19,66,657 15 10	38,85,305 10 9	20,44,046 7 0	18,41,259 3 9	45,55,335 2 2	23,43,240 11 0	22,12,094 7 2

P. W. MONIE,

Municipal Commissioner.

Appendix

Statement showing Town Duty Collections from each source month by month with

MONTH.	Grain and Pulse.		Flour of all sorts.		Wines and Spirits.		Beer.	
Duty Collected by	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
BOMBAY PORT TRUST.								
April	47,867 1 9	34,107 3 6	102 6 0	....	18,645 10 10	20,655 4 9	2,387 2 6	1,689 15 0
May	41,509 10 3	22,049 0 8	46 1.. 0	150 9 0	30,371 6 2	21,597 5 0	4,186 4 0	2,832 3 3
June	15,905 13 3	27,352 10 0	6 8 0	11 0 6	22,276 8 2	2..,436 10 9	4,092 8 6	1,.97 14 0
July	26,553 0 3	32,.40 8 6	167 12 0	96 11 6	25,695 3 3	21,127 12 0	2,874 9 9	1,301 1.. 0
August	18,901 4 6	14,891 12 3	127 7 0	259 15 0	2..419 0 1..	28,.7.. 9 11	5,171 1 6	1,.61 15 8
September	6,571 13 3	19, 48 3 6	59 5 0	87 11 0	24,629 6 8	28,899 5 8	3,744 6 0	2,249 15 6
October	7,410 6 6	7,782 11 6	6 9 0	0 13 0	27,665 0 9	27,.25 14 4	1 343 10 0	1,366 9 4
Nov.mber	14,576 1 6	12,764 1 1	2 12 0	1 8 0	1..,526 0 5	25,9 9 2 10	2,9.. 19 9	1,.54 4 7
December	38,928 5 7	24,604 15 9	40 6 0	....	25 9.1 8 6	2.,927 11 6	1,717 13 7	3,274 4 8
January	32,76. 4 0	16 329 8 2	9 14 0	0 7 6	2.. 48 6 7	2.,3.2 5 8	2.9 6 9 0	3,629 8 5
February	68 218 2 3	16,889 8 8	0 5 0	....	21,447 1.. 8	2.,194 8 10	1,6.0 1 1	2,382 8 0
March	57,172 10 0	4,909 7 2	....	0 3 0	28,116 11 6	31,12. 1 9	3 .95 8 9	29. 9 5
Total ..	3 09,191 9 1	2,33,218 10 4	6.3 14 0	6 8 14 6	2,.5,.12 14 4	3,.5,954 3 7	36,893 5 5	23,261 5 0
G. I. P. RAILWAY.								
April	65,435 8 0	90,274 1 0	0 3 0	531 15 0	182 6 0	225 8 0	78 0 0	119 0 0
May	55,7.6 10 0	77,441 11 0	0 2 0	120 9 0	238 12 0	276 0 0	347 8 0	26 1 0
June	23, 22 15 0	1,.2,297 13 0	0 1 0	30 10 0	265 8 0	35 8 0	520 4 0	265 0 0
July	41,917 2 0	60,147 5 0	0 8 0	....	269 12 0	17 8 0	200 2 0	280 0 0
August	54,782 3 0	33,5.9 8 0	9 4 0	631 2 0	165 0 0	308 12 0	325 0 0	521 10 0
September	47,.81 1. 0	42,381 6 0	0 2 0	894 13 0	312 12 0	336 0 0	3 5 0 0	5.7 8 0
Octo b r	38,039 8 0	73,1.. 14 0	0 11 0	371 9 0	1,383 8 0	2.9 8 0	195 0 0	538 1. 0
November	67,255 14 0	1,02,481 5 0	6 10 0	307 14 0	1.5 5 0	29. 4 0	407 1 0	1.5 4 0
Dec.mber	68,157 4 0	85,110 5 0	0 4 0	47 8 0	314 0 0	420 8 0	322 13 0	583 14 0
Ja.uary	45,.96 10 0	1,.8,812 8 0	0 2 0	1 11 0	1.9 12 0	145 14 0	337 5 0	325 0 0
February	45,1.3 9 0	47 615 3 0	0 4 0	19 3 0	491 8 0	407 8 0	325 0 0	390 0 0
March	2,.15 6 0	55,.00 13 0	5 14 0	....	190 9 0	1,.32 1 0	273 0 0	160 0 0
Total ..	5,81,461 7 0	8,48,.70 12 0	15 1 0	2,836 14 0	4,.26 12 0	3,713 15 0	3,.08 1 0	4,3.6 1 0
B. B. & C. I. RAILWAY.								
April	15,292 0 0	27,911 1 0	119 2 0	3,823 5 0	389 12 .0	621 8 0	....	113 8 0
May	10,980 14 0	24,708 12 0	116 2 0	2,444 14 0	196 12 0	412 4 0	....	238 3 0
June	6,.03 11 0	37,.76 15 0	63 10 0	910 15 0	34 12 0	716 0 0	....	64 1 0
July	11,988 9 0	27,325 9 0	44 3 0	1,69. 5 0	350 8 0	4 4 12 0	71 8 0	209 13 0
August	12,939 14 0	13,69.. 1 0	113 . 0	1,813 14 0	336 8 0	6 8 15 0	64 15 0	133 5 0
be.t.mber	11 140 6 0	11,.72 11 0	462 6 0	3,276 14 .	247 8 0	418 0 0	....	195 10 .
October	7,188 15 0	11,6.2 0 0	5 4 14 0	3,939 5 0	676 10 0	6.6 0 0	83 11 0	284 1 0
Nove.ber	11,814 9 0	26,984 5 0	493 12 0	2,742 12 0	709 12 0	747 12 0	58 0 0	276 2 0
December	17,031 5 0	25,.75 0 0	847 10 0	2,.99 8 0	879 12 0	928 8 0	136 5 0	259 1 0
January..	22,634 14 0	36,.20 14 0	1,.86 4 0	1.31 5 0	969 6 0	8.8 8 0	25 6 0	159 7 0
February	1 .48 1 0	26,997 5 0	566 12 0	23. 1 0	847 8 0	1,.2. 12 0	65 15 0	66 5 0
March	19,501 13 0	20,.61 10 0	877 4 0	163 4 0	8.5 8 0	1,.92 0 0	96 6 0	255 12 0
Total ..	1,57,004 15 0	3,00,284 8 0	5,.65 3 0	25,.69 6 0	6,154 6 0	9,.84 7 0	6.2 2 0	2244 4 0
GRAND TOTAL ..	10,86,650 15 1	13,82,173 9 4	6,115 2 0	28,715 2 6	3,04,194 0 4	3,18,752 9 7	40,701 8 5	29,8.1 10 0
Deduct—								
REFUNDS PASSED BY THE R. & R. A. OFFICER	5,24,243 3 0	7,57,514 15 0	73,.32 13 0	1,14,053 4 0	30,258 14 0	27,062 13 0	17,122 10 0	10,.19 2 0
NET REVENUE ..	5,62,407 12 1	6,24,658 10 4	—68,917 11 0	—85,338 1 6	2,73,935 2 4	2,91,689 12 7	23,578 14 5	19,792 8 0

* Revenue from Town Duty

	Rs.	a.	p.
For 1916-1917	18 41,.59	3	9
For 1917-1918	22,1.,0 4	7	2
Increase .. Rs.	3,70,835	3	5

Add—Refunds admitted by the R. & R. A. Officer, for 1916-17 .. .. Rs 20.4.045 7 0
Refunds passed by the Accounts Office in 1916-17 .. .. ,, 20 09,821 11 0

Difference .. Rs. 54,464 12 6

Difference between collections payable on 1st April 1916 .. Rs. 65,704 18 9
,, ,, ,, ,, ,, 1917 .. ,, 45,434 12 2
Rs. 20,270 1 7

Deduct—Difference between the amount credited in 1916-17 .. Rs. 3,196 2 7
,, ,, ,, in 1917-18 .. ,, 25,7.5 7 6
25,659 4 11
5,389 3 4
29,078 8 8

Refunds admitted by the R. Officer for 1917-18 .. .. Rs. 23,43.,240 11 0
Refunds passed by the Account Office in 1917-18 .. .. ,, 24,14,178 1 0
Difference .. Rs. 70,937 6 0
70,937 6 0

Deduct—Difference between collections payable on 1st April 1917 .. Rs. 45,434 12 2
,, ,, ,, ,, ,, 1918 .. ,, 1,69,644 4 0
1,14,209 7 10

Deduct—Difference between the amount credited in 1917-18 .. Rs. 33,740 9 11
,, ,, ,, ,, ,, 1918-19 .. ,, 20,333 7 6
13,357 2 5
1,00,852 5 5

W. E. WAITE,
Chief Accountant.

No. 18.

the refunds admitted for the year 1917-18 as contrasted with those for the year 1916-17.

Sugar.		Ghee.		Timber.		Firewood.		Total monthly collection.	
1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
71,815 12 6	1,21,661 15 6	17,857 15 9	8,926 8 3	12,735 7 5	47,209 14 11	6,412 13 0	9,277 6 0	1,77,814 5 9	2,48,483 5 11
31,400 12 6	1,19,869 5 6	21,427 10 3	11,760 4 6	22,853 13 6	60,356 7 7	5,919 9 0	5,807 2 0	1,60,414 11 8	2,49,551 4 7
6,827 14 9	10,843 8 6	12,122 10 3	2,093 12 6	21,695 7 6	18,967 0 3	55 6 0	2,112 4 0	82,037 11 6	83,454 13 6
71,015 11 3	64,206 8 0	9,459 6 6	2,501 6 0	37,886 7 6	19,486 11 8	4 15 0	27 6 0	1,73,357 1 6	1,40,971 9 8
1,40,976 2 6	1,18,081 2 6	15,872 0 6	3,372 7 0	41,251 11 6	19,927 9 11	4 15 0	27 6 0	2,29,690 11 4	1,91,291 4 10
1,21,440 1 0	91,205 0 3	20,672 11 3	9,211 9 0	23,901 7 1	4,390 5 1	106 11 0	114 4 0	2,16,524 13 3	1,56,468 6 0
1,49,981 6 0	2,01,571 13 6	18,756 12 9	10,595 6 3	34,111 0 3	73,208 6 6	3,164 4 6	1,695 6 6	2,40,819 1 9	3,22,297 0 11
2,26,092 3 0	61,135 14 9	10,701 13 5	11,998 14 9	43,949 0 3	23,158 5 5	1,978 2 0	3,734 13 0	3,11,721 2 2	1,40,298 1 5
1,9 ,957 7 9	1,91,927 1 0	10,272 1 6	12,408 11 7	16,749 8 9	11,025 13 5	3,096 6 6	3,695 9 0	2,,7,744 9 5	2,75,873 2 6
2,20,823 4 0	2,10,554 11 9	7,102 4 6	19,057 7 0	40,119 10 10	34,544 0 6	5,0 6 6 6	5,03 . 13 0	3,32,108 11 5	3,22,092 14 0
72,098 7 9	59,612 2 6	6,026 5 0	12,250 14 9	25,518 11 1	33,189 1 4	7,866 5 0	6,020 14 0	1,95,186 4 7	1,,8,8 5 10 1
81,52 13 0	2,18,960 12 6	5,046 8 6	13,482 1 3	21,007 7 3	40,928 13 7	9,988 10 0	7,461 11 0	2,06 .79 4 9	3,17,103 11 3
13,86,726 14 6	14,75,586 0 3	1,56,,18 4 6	1,23,069 7 4	3,,6,0 2 11	3,92,221 13 2	43,785 8 6	45,83 14 6	26,42,642 3 3	25,9 759 4 6
3,419 13 0	8,198 7 0	7,363 1 6	14,884 0 6	640 6 0	568 13 0	58 4 0	120 9 0	77,175 9 6	1,15,019 5 0
7,407 3 0	17,738 1 0	2,041 6 6	10,700 9 3	439 2 0	515 4 0	31 8 0	122 11 0	66,286 3 6	1,12,194 14 3
5,020 0 0	5,628 4 0	3,220 10 6	13,806 15 3	672 7 0	326 14 0	52 0 0	110 9 0	3,,,73 3 6	1,22,301 9 3
9,088 8 0	8,244 1 0	5,720 11 9	12,,85 10 3	646 14 0	966 0 0	12 0 0	263 14 0	57,855 9 9	72,855 8 3
17,658 2 0	11,439 12 0	9,680 3 0	21,892 10 6	272 2 0	1,441 6 0	8 0 0	353 7 0	62,,98 14 0	70,138 3 6
15,037 14 0	29,791 4 0	5,,7 . 12 3	2,,,6 13 0	98 8 0	487 15 0	80 0 0	141 6 0	67,870 14 3	95,,26 1 0
9 ,04 0 0	19,923 4 0	11,5,9 2 3	23,591 11 9	121 10 0	699 0 0	16 0 0	76 0 0	68,,79 7 5	1,4,,660 10 9
11,527 5 0	67,9,9 10 0	18,499 1 6	20,712 7 9	70 12 0	1,361 2 0	108 8 0	115 4 0	9 ,98 8 6	1,9,,412 2 6
18,,67 0 0	27 708 12 0	34,200 5 9	18,,39 0 3	2,966 11 0	2,695 0 0	82 8 0	128 12 0	1,24,48 13 9	1,16,194 11 3
18,735 15 0	28,419 5 0	22,203 0 3	19,,22 15 9	335 5 0	1,500 12 0	84 1 0	92 0 0	8 ,541 2 3	1,,9,020 1 6
37,989 9 0	11,895 5 0	39,494 12 6	27,890 2 3	1,620 2 0	2,942 7 0	248 15 0	688 12 0	1,24,,,8 11 6	91,,26. 8 3
14,,15 9 9	8,390 1 0	15,650 12 6	17,,38 12 9	1,869 2 0	1,7 8 10 0	116 0 0	304 2 0	60,,74 4 8	84,632 7 5
1,66,784 14 0	2,65,354 2 0	1,81,,07 0 3	2,33,018 13 3	9,149 1 0	15,313 3 0	976 12 0	2,697 8 0	9,27,131 0 3	18,76,411 2 3
14 12 0	4 7 0	12,861 2 6	5,260 11 0	176 12 0	942 12 0	1,900 14 0	513 14 0	30,754 13 6	39,192 2 0
63 10 0	7 11 0	7,,89 12 0	7,,05 9 0	383 5 0	33 0 0	1,2,4 13 0	475 12 0	2 ,,26 3 0	45,781 1 0
53 4 0	103 12 0	12,688 14 0	8,20 9 0	121 6 0	1,184 6 0	1,38. 15 0	736 8 0	20,338 8 0	48,998 2 0
7 11 0	0 9 0	13,227 4 0	27,227 2 9	64 8 0	1,078 3 0	1,216 0 0	2,696 14 0	26,94. 3 0	6 ,13 8 9
0 13 0	10 10 0	19,,33 14 9	18,,19 13 0	84 13 0	1,578 4 0	1,487 8 0	3,436 10 0	34,291 14 3	39,2,9 8 0
159 7 0	....	11,363 2 6	10,122 6 0	9 11 0	493 0 0	1,797 9 0	2,,06 10 0	25,,99 1 0	27,5,7 3 0
226 2 0	....	4,,34 10 0	2,,,28 3 0	124 .4 0	280 1 0	954 0 0	3,165 6 0	14,804 2 0	40,735 0 0
16 4 0	....	2,11 3 0	17,831 12 0	114 10 0	784 1 0	949 2 0	3,236 2 0	16,814 4 0	52,102 14 0
318 6 0	....	6,790 11 0	13,7 7 8 0	134 4 0	9 5 9 0	3,128 0 0	4,13 6 0	2 ,913 5 0	47,8 8 0 0
663 14 0	771 15 0	12,240 8 0	19,176 8 6	573 12 0	3,124 9 0	3,427 12 0	5,935 14 0	41,742 9 0	68,261 0 6
76 13 0	426 12 0	8,09 5 0	16,264 7 0	1,924 11 0	4,143 14 0	2,345 1 0	4,0 3 8 0	24,824 3 0	53,425 0 0
3 10 0	177 9 0	6,172 10 0	2 ,160 4 0	3,656 2 0	430 12 0	779 0 0	2,440 6 0	31,552 5 0	54,471 9 0
1,604 10 0	1,6 3 5 0	1,16 954 6 3	1,88,949 13 3	7,114 13 0	14,496 7 0	20,631 0 0	36,832 14 0	3,15,532 7 3	5,79,164 11 3
15,55,118 6 6	17,42,543 7 3	4,54,179 11 0	5,45,638 1 10	3,12,953 10 11	4,22,431 7 2	65,392 4 6	85,369 2 6	38,85,305 10 9	45,55,335 2 2
11,89,101 3 0	12,05,494 6 0	1,89,873 2 0	2,04,685 8 0	27,414 10 0	24 410 11 0	....	....	20,44,046 7 0	23,42,240 11 0
3,73,017 2 6	5,37,049 1 3	2,64,306 9 0	3,40,852 9 10	3,46,539 0 11	3,98,020 12 2	65,392 4 6	85,369 2 6	18,41,259 3 9	*22,13,094 7 2

a. a. p.

3,41,759 10 9

1,71,789 11 5

1,69,969 15 4 Increase shown in Appendix No. 1.

P. W. MONIE,
Municipal Commissioner.

Appendix No. 19.

STATEMENT showing (1) the Grants sanctioned for New Works, (2) the Expenditure incurred on them, and (3) the Balances of the grants remaining unexpended, which have been renewed for expenditure during 1918-19.

No.	NAME OF WORK.	Sanctioned Grants.		Expenditure.		Unexpended balances of the grants to be renewed.	
		For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917 18.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	General Office Establishment.						
1	Constructing a fire-proof shed for storing 100 gallons petrol in the compound of Municipal Office Building...	283 1 3	111 0 0	.....	0 9 1	282 8 2	111 0 0
2	Renewal of a portion of the flooring of the 3rd floor of the Municipal Office Building ...	2,213 0 0	.....	.....	1,962 4 10	.....	.....
	Total Rs. ...	2,496 1 3	111 0 0	.....	1,962 13 11	282 8 2	111 0 0
	Assessment and Collection Department Property and Wheel Tax Establishment.						
3	Constructing a new Toll Chowki at Sion	.....	3,430 0 0	.....	.....	.....	3,430 0 0
4	Providing an ironshed to enable the Ward Superintendent to inspect carts entering the City from Salsette	.....	99 0 0	.....	.....	.....	99 0 0
	Total Rs. ...	...	3,529 0 0	.....	.....	.....	3,529 0 0
	Fire Brigade Department.						
5	Construction of a wall along the road side of the Hames Road Fire Brigade Station Compound	2,584 0 0	.....	.....	2,159 11 4	215 0 0	.....
6	Construction of a fire-proof shed for storing 500 gallons of petrol at the Head Quarters, Fire Brigade, Sanatt Tank ...	777 3 5	.....	.....	1 8 11	775 10 6	.....
	Total Rs. ...	3,361 3 5	.....	.....	2,161 4 3	990 10 6	.....
	Mechanical Branch.						
7	Purchase of a Steel Lathe for Municipal Workshops ...	.....	2,000 0 0	.....	.....	.....	.....
8	Substituting electrically driven Stereophogous Pumps for Shone's Electro at No. I Ejector Station, Agripada ...	9,873 0 0	.....	7,301 2 5	.....	2,571 13 7	.....
	Total Rs ...	9,873 0 0	2,000 0 0	7,301 2 5	.....	2,571 13 7	.....
	Carried over Rs. ...	15,730 4 8	5,640 0 0	7,301 2 5	4,124 2 2	3,845 0 3	3,640 0 0

Appendix No. 19—*continued.*

No.	NAME OF WORK.	Sanctioned Grants.		Expenditure.		Unexpended balances of the grants to be renewed.	
		For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Total brought forward Rs. ...	15,730 4 8	5,640 0 0	7,301 2 5	4,124 2 2	3,845 0 3	3,640 0 0
	Drainage.						
9	Petty Drainage New Works ...	1,343 0 0	10,551 0 0	546 0 1	7,196 14 5	.....	1,640 0 0
10	Relieving arches at Falkland Road	.....	5,000 0 0	.....	4,497 14 4	.....	502 1 8
11	Construction of a shed for a Motor Silt Wagon	.....	750 0 0	.....	.....	.....	670 0 0
12	Permanent manholes over drains	247 8 6	3,000 0 0	247 8 6	2,216 15 10	.....	783 0 2
13	Providing arched storm-water drain with a manhole at Tardeo Flats	.....	5,380 0 0	.....	5,209 1 7	.....	.....
14	Laying a 15" pipe sewer in Club Road from Moreland Road to the new Ovoid Sewer in Lamington Road	.....	13,309 0 0	.....	13,011 5 4	.....	297 10 8
15	Providing 1' 6" × 1'-6" covered masonry storm water drain in 7th Khetwadi Lane	.....	6,755 0 0	.....	4,677 1 7	.....	1,000 0 0
16	Providing a short length circular storm-water drain connecting the Moreland S. W. drain to the head manhole of the Ripon Road drain	.....	1,793 0 0	.....	40 11 7	.....	1,000 0 0
17	Providing a covered storm-water drain 1'-6" × 1'-6" with water entrance and water tables in 13 Khetwadi Lane between Khetwadi Main Road and Back Road...	.....	4,508 0 0	.....	1,732 8 4	.....	2,700 0 0
18	Constructing a S. W. masonry dhapa drain in a portion of Sivri Road	.....	7,536 0 0	.....	5,931 2 3	.....	1,013 9 0
19	Providing S. W. drains to deal with sullage from new buildings to be erected at Mahim. Budget grant Rs. 6,525. The following two works were executed out of this grant:—						
	(*a*) Providing an open and covered side drain 1'×1' with manhole at Lady Jamshedji Road from Chaprae Building to the existin road	.....	5,260 0 0	.....	4,880 11 4	.....	379 4 8
	(*b*) Providing open road tide drain 1'-3"×1'-6" from Dr. Dhurus' Dispensary to Mr. Chowkar's premises about 340' in Portuguese Church Road	.....	1,262 0 0 3 0 0	.....	342 9 10	.....	919 6 2
20	Providing a S. W. drain and constructing 5 manholes with C. I. circular frames with four half-sized water entrances in Balaram Street	6,670 12 10	.....	5,487 5 2	.....	.....	.....
21	Constructing a temporary S. W. drain in Mahim Bazar Road...	2,315 3 0	.....	1,845 3 11	.....	.....	.....
	Total Drainage carried over Rs.	10,576 8 4	65,107 0 0	8,126 1 8	49,737 0 5	.....	10,904 7 4
	Carried over Rs. ...	15,730 4 8	5,640 0 0	7,301 2 5	4,124 2 2	3,845 0 3	3,640 0 0

Appendix No. 19—*continued.*

No.	NAME OF WORK.	Sanctioned Grants.		Expenditure.		Unexpended balances of the grants to be renewed.	
		For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Brought forward Rs. ...	15,730 4 8	5,640 0 0	7,901 2 5	4,124 2 2	3,845 0 3	3,640 0 0
	Total Drainage brought forward Rs. ...	10,576 8 4	65,107 0 0	8,126 1 8	49,737 0 5	.....	10,904 7 4
	Drainage—*contd.*						
22	Channelling and pitching a portion of watercourse No. 75 on the west of the Elphinstone Road Station	5,717 12 0	.....	5,270 1 4	.....	235 10 0	.....
23	Laying a 9" pipe sewer from Messrs. Godrej and Boyce Factory to DeLisle Road Sewer	.....	4,653 0 0	.....	2,530 5 1	.....	2,122 10 11
24	Providing S. W. drain with half-sized water entrances and water tables in Wodehouse Road near Pandy Sanitorium..	307 11 11	.....	245 2 9	.....	.....	.....
25	Removing the existing openside drain and providing a 6" pipe drain, &c. between Abdul Rahiman Street, Sarang Street, north of Janjikar Street and south of Bhajipala Street ...	5,962 0 0	.....	2,494 8 7	.....	3,467 7 5	.....
26	Shifting the existing water entrances at Parbhadevi Road for street improvement ...	838 0 0	.....	.....	.....	.....	.....
27	Reconstructing a collapsed arch of the main S. W. drain in Bellasis Bridge	314 4 11	.....	35 2 4	.....	.....	.....
28	Laying a 6" pipe line from Ejector Station No. 3, Colaba, to the base of the Chimney Shaft of the old Prince of Wales Press at Victoria Bunder	605 1 4	.....	.....	.....	.....	.....
29	Providing a 6" pipe drain and connecting house drainage fittings between Memonwada and Nagdevi Street and south of Bhajipala Street and north of Janjikar Street ...	.....	2,954 0 0	.....	1,338 13 3	.....	1,615 2 9
30	Providing a 12" S. W. drain in a portion of Currey Road near its junction with DeLisle Road	.....	1,902 0 0	.....	1,149 1 2	.....	752 14 10
31	Extension of the existing 9" pipe sewer in Worli Road ...	.....	4,784 0 0	.....	2,016 3 4	.....	2,767 12 8
32	Laying a 6" C. I. pipe drain in Lohar Chawl Street, Mahim Bazar Road	.....	1,537 0 0	.....	.....	.....	1,537 0 0
	Total Rs. ...	24,316 6 6	80,937 0 0	16,171 0 8	56,771 7 8	3,703 1 5	19,708 0 6
	Carried over Rs. ...	40,046 11 2	86,577 0 0	28,472 3 1	60,895 9 5	7,548 1 8	23,349 0 6

Appendix No. 19—*continued.*

No.	NAME OF WORK.	Sanctioned Grants.		Expenditure.		Unexpended balances of the grants to be renewed.	
		For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18	For 1917-18.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p
	Total brought forward Rs....	40,046 11 2	86,577 0 0	23,472 3 1	60,895 9 5	7,548 1 8	23,340 0 6
	Streets and Buildings.						
33	Filling in the Nawab Tank ...	10,788 0 0	.....	5,987 8 6	.....	.....	.....
34	The development of the land acquired at Golanji Hill Road for a stone depot and for the erection of stone-breaking and screening machinery	6,078 1 1	.....	67 4 7	.....	6,010 12 6	.....
35	Converting the Northbrook Garden into a play ground for children	.....	13,706 0 0	.....	4,167 15 2	.....	9,538 0 10
36	Improving the gradient of a portion of Musjid Bunder Road	.....	21,323 0 0	.....	625 0 10	.....	20,697 15 2
37	Constructing a fireproof shed for storing 200 gallons of petrol and shed for housing 3 all day motor wagons, &c., Garden Bridge.	6,750 7 1	.....	13 8 4	.....	.....	.....
38	Diversion of drains in connection with the widening of Elphinstone Bridge	10,900 0 0	.....	2,593 9 10	.....	.....	.....
39	Reconstructing as an experimental measure with concrete bottoming, &c. the portion of Frere Road in front of the main gates of the Princess Docks from Kalyan Street to Masjid siding	11,998 1 5	.....	401 9 11	.....	11,596 7 6	.....
40	Reducing the level of the road at the junction of Mount Road and Victoria Road and auxiliary works	1,000 0 0	.....	357 4 1	.....	.....	.....
41	Improvement of Bhatia Bag ...	3,552 8 0	.....	.....	.....	3,552 8 0	.....
42	Improving the gradients at Worli Road	12,430 0 0	.....	.....	.....	12,430 0 0	.....
43	Converting the Falkland Road garden into a play ground ...	3,832 8 2	.....	1,105 0 11	.....	2,727 7 3	.....
44	Putting up a railing in front of Municipal land at the Mahalaxmi Loading Sidings and planting trees and shrubs to screen the unsightly Municipal structures.	.....	3,912 0 0	.....	2,136 4 0	.....	1,775 12 0
45	Acquisition of land for a new road from Cadell Road towards the Hindoo Burial Ground at Mahim.	.....	1,004 0 0	.....	.....	.....	1,004 0 0
46	Providing kerosine oil tanks at different Ward Chowkies ...	.....	2,664 0 0	.....	.....	.....	2,664 0 0
	Total Rs. ...	66,429 9 9	42,609 0 0	17,525 14 2	6,929 4 0	36,317 3 3	35,679 12 0
	Carried over Rs. ...	1,06,476 4 11	1,29,186 0 0	40,998 1 3	67,824 13 5	43,865 4 11	59,019 12 6

Appendix No, 19—*continued.*

No.	NAME OF WORK.	Sanctioned Grants.		Expenditure.		Unexpended balances of the grants to be renewed.	
		For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Total brought forward Rs. ...	1,06,476 4 11	1,29,186 0 0	40,998 1 3	67,824 13 5	43,865 4 11	59,019 12 6
	Water Works.						
47	Filling in the low-lying ground at Manmala Tank Road, Mahim	.....	8,786 0 0	.....	.....	.....	8,786 0 0
48	Laying 5" main in Mint Road...	433 15 4	.....	341 0 2	.....	92 15 2	.....
49	Laying water mains in the Chowpati Estate	400 0 0	.....	180 15 8	.....	219 0 4	.....
50	Rendering filters at Malabar Hill mosquito-proof...	3,000 13 5	.....	302 13 6	.....	.....	.....
51	Laying small mains at Bhundarwada Reservoir and providing small storage tank	311 3 0	.....	195 10 0	.....	115 9 0	.....
52	Laying 5" main in Champawadi Cross Lane	254 12 0	.....	208 4 0	.....	.....	.....
53	Rendering Reservoirs and Filters at Malabar Hill water tight	76 1 5	.....	50 12 2	.....	.....	.....
54	Laying 6" main in Ardeshir Dady Street	678 8 4	.....	254 14 4	.....	.....	.....
55	Laying 5" main at 1st Pinjrapole Street	651 12 8	.....	486 4 10	.....	.....	.....
56	Laying 5" main in Pinjrapole 3rd Street	604 14 5	.....	326 0 11	.....	.....	.....
57	Construction of a new chawl at Kirol for Labourers in Salsette Division...	4,923 7 5	1,497 12 9	1,497 12 9	2,364 13 11	2,558 9 6	.....
58	Diverting the old 48" main to the New Bridge at Ghatkoper.	.....	4,876 10 10	.....	4,876 10 10	.....	.....
59	Lowering and protecting water connections which are laid above ground in gullies and footpaths	.....	15,000 0 0	.....	14,832 8 11	.....	.....
60	Laying a 6" water main in Baines Road from the 24" Tulsi main to Messrs. Duncan Stratton & Co.'s Washing and Dyeing Factory	.....	7,000 0 0	.....	5,163 3 9	.....	1,836 12 3
61	Acquiring a plot of land at Ghatkoper and new wing and reconstructing the existing Water Works Inspector's quarters, office, store yard, workshops, from Kurla to Ghatkopar	.....	15,811 2 9	.....	2,582 10 0	.....	13,228 8 9
62	Laying a 6" main from the Malabar Hill Reservoir to connect the 6" main in the Nepean Sea Road	.....	4,723 0 0	.....	1,890 2 6	.....	2,832 13 6
63	Laying a 5" main in the low-level road at Frere Bridge, Grant Road off the existing 4" main in Tardeo	.....	2,445 0 0	.....	.....	.....	2,445 0 0
	Total Rs.	11,335 9 0	60,139 10 4	3,844 8 4	31,709 12 11	2,986 2 0	29,129 2 6
	Carried over Rs. ...	1,17,811 12 11	1,89,325 10 4	44,842 9 7	99,534 10 4	46,851 6 11	88,148 15 0

Appendix No. 19—*continued.*

No.	NAME OF WORK.	Sanctioned Grants.		Expenditure.		Unexpended balances of the grants to be renewed.	
		For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Total brought forward Rs.	1,17,811 12 11	1,89,325 10 4	44,842 9 7	99,534 10 4	46,851 6 11	88,148 15 0
	Sanitary.						
64	Filling in a further portion of Haines Road Cemetery ...	4,427 6 0	5,000 0 0	4,427 0 0	1,800 10 11	.....	3,699 0 0
65	Providing tar maccadum pavement, etc. in the existing bullock stable at Agripada ...	.....	120 0 0	.....	.....	.....	.....
66	Tar macadamising the yard of H. D. Stable at Agripada ...	.....	.....	.....	.....	.....	.....
67	Providing tar-grouted maccadum for F Ward stable, Dadar	.....	2,687 0 0	.....	872 8 2	.....	1,814 7 10
68	Construction of an observation shed, etc. at Sick Bullock Hospital, Sankli Tank	.....	4,400 0 0	.....	875 15 11	.....	3,524 0 0
69	Conversion of old pattern privies, etc. in the compound of Falkland Road Dharamsala ...	.....	2,890 0 0	.....	.....	.....	2,890 0 0
70	Providing expanded metal to all the bays at bullock stable, Arthur Road	.....	2,865 0 0	.....	.....	.....	2,865 0 0
71	Paving 4 cutcha ramps, etc. in Arthur Road Stables	.....	1,200 0 0	.....	.....	.....	1,200 0 0
72	Extension of the verandah, etc. at Arthur Road Hospital ...	.....	4,570 0 0	.....	1,549 8 9	.....	2,020 0 0
73	Construction of a shed at Tardeo Flats for Petrol	.....	1,132 0 0	.....	.....	.....	1,132 0 0
74	Providing a tiled roof over the verandah of Superintendent's quarters at Parel Vaccination Depot	.....	631 0 0	.....	.....	.....	631 0 0
75	Removing Health camps from Northbrook Garden, etc. ...	13,667 0 0	.....	13,667 0 0	.....	.....	.....
76	Construction of Latrines and Urinal	7,319 0 0	.....	4,509 8 9	.....	529 0 0	.....
77	Providing a compound wall at Worli Cemetery	124 0 0	.....	124 0 0	.....	.....	.....
78	Erecting a Screen round the Skinning ground at Chembur	.....	3,727 0 0	.....	2,751 9 9	.....	975 3 3
79	Rebuilding of the wards at Maratha Hospital...	4,894 0 0	3,850 0 0	1,359 12 8	.....	3,534 0 0	3,850 0 0
80	Constructing a semi-permanent chawl for Carcass Establishment at Tardeo Flats	8,651 0 0	.....	6,771 3 8	.....	.....	.....
81	Consolidating with Tar-metalling H. D. Stable floor at Arthur Road	542 6 5	.....	542 6 5	.....	.....	.....
82	Construction of a Lethal Chamber at Tardeo Flats	1,095 0 0	.....	127 15 5	.....	100 0 0	.....
	Total carried over Rs. ...	40,719 6 5	33,072 0 0	31,528 14 11	7,350 5 6	4,163 0 0	24,600 7 10
	Carried over Rs. ...	1,17,811 12 11	1,89,325 10 4	44,842 9 7	99,534 10 4	46,851 6 11	88,148 15 0

Appendix No. 19—*continued.*

No.	NAME OF WORK.	Sanctioned Grants.		Expenditure.		Unexpended balances of the grants to be renewed.	
		For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Brought forward Rs. ...	1,17,811 12 11	1,89,325 10 4	44,842 9 7	99,534 10 4	46,851 6 11	88,148 15 0
	Total brought forward Rs. ...	40,719 6 5	33,072 0 0	31,528 14 11	7,350 5 6	4,163 0 0	24,600 7 10
	Sanitary—*contd.*						
83	Erecting a Shed fencing at Municipal Kutchra Siding at Colaba	.....	8,980 0 0	.....	346 14 6	.....	8,633 0 0
84	Paving and enclosing dust bin stands	800 0 0	.....	136 13 2	.....	163 2 10	.....
85	Providing additional privy accommodation at Halalcore Huts, Babula Tank	.....	794 0 0	.....	.....	.....	794 0 0
86	Removing present Stable and metalling it at Bapty Road ...	.....	4,550 0 0	.....	.....	.....	4,550 0 0
87	Constructing a Septic Tank, etc. at Dharavi	.....	.....	.....	.....	.....	.....
88	Constructing a small improvised crematoreum at Sewri Cemetery	5,000 0 0	.....	.....	.....	5,000 0 0	.....
89	Extension of Dhobiwada at Mahaluxmi	93 9 7	.....	.....	.....	.....	.....
90	Building a wall for protecting Mahim Burning Ground ...	18,808 0 0	.....	.....	.....	18,808 0 0	.....
91	Constructing a new incinerator at Parel Laboratory	3,279 0 0	.....	.....	.....	3,279 0 0	.....
92	Constructing a Store-room on the site at Null Bazar ...	1,936 0 0	.....	853 12 2	.....	.....	.....
93	Additions and alterations to the Small Pox Ward at Arthur Road Hospital	.....	3 5 7	.....	3 5 7	.....	.....
94	Constructing new Kutcha Road within the compound of the Skinning ground at Coorla ...	.....	2,023 0 0	.....	.....	.....	2,023 0 0
	Total ...	70,136 0 0	49,422 5 7	32,519 8 3	7,700 9 7	31,413 2 10	40,600 7 10
	New Works—Markets.						
95	Providing a Beef Section in the compound of Kamatipura Market	.....	.....	.....	.....	.....	.....
96	Constructing a new Pork Market at Dhobitalao	.....	7,400 0 0	.....	127 12 11	.....	7,272 3 1
97	Constructing a washing place at B. S. Houses	.....	957 0 0	.....	.....	.....	957 0 0
98	Constructing a market on the west side of Musjid Bunder Station	.....	9,390 0 0	.....	119 9 8	.....	9,270 6 4
99	Remodelling the A. C. Markets..	.....	12,000 0 0	.....	.....	.....	12,000 0 0
100	Constructing 2-seated water-closets, etc. at A. C. Markets..	4,161 0 0	.....	2,701 3 11	.....	1,459 12 1	.....
	Total carried over Rs. ...	4,161 0 0	29,747 0 0	2,701 3 11	247 6 7	1,459 12 1	29,499 9 5
	Carried over Rs.	1,87,947 12 11	2,38,747 15 11	77,362 1 10	1,07,235 3 11	78,264 9 9	1,28,749 6 10

Appendix No. 19—*concluded.*

No.	NAME OF WORK.	Sanctioned Grants.		Expenditure.		Unexpended balances of the grants to be renewed.	
		For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.	For years previous to 1917-18.	For 1917-18.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Brought forward Rs. ...	1,87,947 12 11	2,38,747 15 11	77,362 1 10	1,07,235 8 11	78,264 9 9	1,28,749 6 10
	Total brought forward Rs. ...	4,161 0 0	29,747 0 0	2,701 3 11	247 6 7	1,459 12 1	29,499 9 5
	New Works—Markets —*contd.*						
101	Rebuilding the Sheep pens at B. S. H.	1,178 0 0	.....	859 7 11	.....	.....	.....
102	Providing and fixing new pattern hydrants in Municipal Markets	81 0 0	.....	.....	.....	.....	.....
103	Paving the compound of A. C. Markets	615 0 0	.....	.....	.....	.....	.....
104	Providing temporary structure to shelter animals at B. S. Houses	....	8,368 0 0	.....	.....	.....	8,368 0 0
	Total ...	6,035 0 0	38,115 0 0	3,560 11 10	247 6 7	1,459 12 1	37,867 9 5
	Stores.						
105	Erecting a C. I. shed with four C. I. tanks, a plate and a wing pump at the Central stores for storage of Kerosine oil	.....	2,241 3 0	.....	2,241 3 0	.....	.....
	Victoria and Albert Museum.						
106	Providing and fitting W. I. grills to the windows of the Museum Building	.....	5,900 0 0	....	82 12 10	.....	5,817 3 2
		1,93,982 12 11	2,85,004 2 11	80,922 13 8	1,09,806 10 4	79,724 5 10	1,72,434 3 5
		4,78,986 15 10		1,90,729 8 0		2,52,158 9 3	
	New Works—Gardens.						
107	Providing expanded metal to the railing on the Parel Road side	1,968 0 0	... .	.....	.....	1,968 0 0	.....
108	Providing W. I. fence to the Malee's quarters in the Garden Compound	4,034 10 0	.....	9 5 9	....	4,025 0 0	.....
109	Construction of a S. W. drain in the Victoria Gardens ...	1,099 10 2	2,026 0 0	892 9 1	1,977 6 5	.. ..	....
110	Raising and altering the small masonry tanks used for watering the Gardens	.....	1,200 0 0	.....	758 14 6	... .	400 0 0
111	Covering a well in the Gardens.	.....	1,771 0 0	... .	.....	.....	1,771 0 0
112	Providing a raised Platform at the Chowpati Bandstand and lighting the same	.. ... .	1,245 0 0	. .....	616 10 9	.....	628 5 3
		7,102 4 2	6,245 0 0	901 14 10	3,352 15 8	5,993 0 0	2,802 5 3
		13,347 4 2		4,254 14 6		8,795 5 3	
	Grand Total Rs. ...	4,92,334 4 0		1,94,984 6 6		2,60,953 14 6	

W. E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

Appendix

STATEMENT showing the principal liabilities on account of Street Improvements incurred at rates finally made

Name of the Party.	Locality.	Actual area acquired.	AS ORIGINALLY	
			Rate per Square Yard.	Compensation for Land.
		Sq. yds.	Rs. a. p	Rs. a. p.
Messrs. Crawford Bayley & Co. for (1) Sir Jamshedji Jejeebhoy, Bart, (2) Nusserwanji Sorabji Jamshedji, (3) Furdoonji A. Corsetji Furdoonji, (4) Bamanji Sorabji Jamshedji, (5) Rustomji Jamshedji Corsetji Jamshedji, (6) Framji Rustomji Wadia, (7) Rustomji Byramji Jeejeebhoy, (8) Lieut. Col. Merwanji Pestonji Khareghat, I.M.S., Retired, (9) Rustomji Nusserwanji Sorabji Jamshedji, (10) Dhunjibhoy Framji Batliwala, the Trustees of the Charity Funds of the late Sir Jamshedji Jeejeebhoy, 1st Bart.	Junction of Abdul Rehman Street and Bibijan Street	45·89	250 0 0	11,472 8 0
Mr. Cawasji Beramji Golwalla & others through Messrs. Crawford Bayley & Co.	Junction of Musjid Bunder Road and Mumbadevi Road...	23·86	150 0 0	3,579 0 0
Messrs. David Sassoon & Co., Ltd., Agents for Sassoon Spinning & Weaving Coy, Ltd.	Junction of Victoria Road and Mount Road.	881·77	10 0 0	8,817 12 2
The Kanji Khetsey Charity Trust through Messrs. Crawford Bayley & Co.	Junction of Mumbadevi Road and Nakhoda Street...	63·07	200 0 0	12,614 0 0
Mr. Burjorji J. Mistri	Kalbadevi Road	10·39	.....	2,029 0 0
Bai Samratbai, widow of Virchand Jaichand.	Love Grove Pumping Station Road ...	1,754·65	3 1 0	5,263 15 2
Mr. Murarji Velji	Kolbhat Street...	32·76	40 0 0	1,310 6 5
	Total ...	2,812·39	.....	45,086 9 9

	As originally proposed.	As subsequently sanctioned and paid.	
	Rs. a. p.	Rs. a. p.	
Average rate per square yard for compensation for land	16·03 or 16 0 6	32·93 or 32 14 10	
Do. do. do. for structure ...	·53 or 0 8 6	·53 or 0 8 6	
Do. do. do. for total amount ...	16·56 or 16 9 0	33·46 or 33 7 4	i.e., 102·05 per cent.
Do. do. do. on interest, &c. ...	.....	2·38 or 2 .6 1	i.e., 14·37 per cent.
Do. do do. on total amount as finally paid.	.....	35·84 or 35 13 5	i.e., 116·42 per cent.

W. E. WAITE,
Chief Accountant.

No. 20.

originally sanctioned and at rates subsequently increased and on which payments were during 1917-18.

PROPOSED.		AS SUBSEQUENTLY SANCTIONED AND PAID.				REMARKS.
Compensation for Structure.	Total.	Rate per Square Yard.	Compensation for Land.	Compensation for Structure.	Total.	
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
.....	11,472 8 0	425 0 0	19,563 4 0	* 736 2 1 † 617 13 0 ‡ 135 13 0 § 120 0 0 ¶ 771 1 0	21,884 1 1	* Interest at 6 per cent. per annum on Rs. 11,472-8-0 from 6-8-15 to 30-8-16 inclusive. † Interest at 6 per cent. per annum on Rs. 8,030 12-0 the additional payment at extra rate of Rs. 175 from 6-8-15 to 29-8-16 and from 14-3-17 to 2-6-17. ‡ Court costs. § Professional cost's. ¶ Respondents costs; out of this Rs. 271-1-0 have been paid in 1918-1919.
.....	3,579 0 0	600 0 0	14,516 0 0	§ 1,059 15 4 * 339 1 11 ‡ 143 6 0 ¶ 90 0 0	15,948 6 3	§ Interest at 6 per cent. per annum on Rs. 11,332-5-3 from 4-12-15 to 25-6-17 inclusive. * Interest at 6 per cent. per annum on Rs. 2,982-8-0 from 4-12-15 to 21-10-17 inclusive. ‡ Court costs. ¶ Professional costs.
1,489 0 0	10,306 12 2	16 8 0	14,549 3 3	1,489 0 0 ‡ 67 2 6	16,105 5 9	‡ Half the Court cost.
.....	12,614 0 0	425 0 0	26,804 12 0	* 2,542 14 0 ‡ 70 10 0	29,418 4 0	* Interest at 6 per cent. per annum from 10-4-16 to 8-11-17 inclusive. ‡ Half court cost.
.....	2,929 0 0	.....	1,938 13 6	.....	† 4,938 13 6	† Allocated value of set-back land out of the Award of Rs. 5,563-0-5 made under the Land Acquisition Act.
.....	5,263 15 2	6 0 0	10,527 14 5	.....	10,527 11 5	
.....	1,310 6 5	60 0 0	1,965 9 7	.....	1,965 9 7	
1,489 0 0	46,575 9 9	.....	92,605 8 9	(a) 8,182 13 10	1,00,788 6 7	(a) Includes Rs 6,698-13-10 for interest, court cost, &c.

P. W. MONIE,
Municipal Commissioner.

Appendix

Income of the Bombay Municipality from the year 1865

TAXATION PROPER.

Year.	Gross Valuation.	House Rate.	Police Rate.	Lighting Rate.	Wheel Tax and Tolls.	Licenses for trades, Land Conveyances, Music, etc.	Town Duties.	Liquor Licenses.	Tobacco Licenses.		Contribution from Insurance Companies or Fire Tax.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.
1865	1,20,14,655	10,57,379	....	....	2,32,698	2,[illegible]2	5,04,789	1,45,873	.. ..	.. ..	...
1866	1,48,94,893	7,18,404	2,93,683	98 417	3,15,3[illegible]	2,72,[illegible]5	5,122	46,024	1,20,3[illegible]	....	....
1867	1,[illegible]9,09,535	9 84,068	4,11,040	1,82,849	2,78,178	2,05 536	.....	1,04,838	1,18,426	....	....
1868	1 47,43,075	9,20,587	3,75,607	2,46,071	2,68,511	2,08 820	....	1 20,566	1,36,762	....	....
1869	1,39,11,260	7,99,398	2,59,583	2,48,466	2,57,574	1,80,351	3,03,298	2,49,077	1,51,178	....	...
1870	1,36,20,885	7,22,783	2,37,643	2,46,994	2,60,581	28,147	5,94,989	1,23,691	1,39,830	.	....
1871 .. .	1,34,26,845	6,75,489	2,30,409	2,30,256	2,65,521	7,655	4,51,496	1,15,170	1,28,0 6	....	...
1872	1,29,33,510	7,09,953	2,41,774	2,41,344	2,04,057	5,862	4,67,638	59,914	1,47,654	..	....
1873	1,20,71,816	7,01,013	2,37,282	2,37,050	2,16,053	87	4,46,921	2,79,074	1,48,792	....	....
1874	1,19,65,790	5,94,814	2,29,102	2 27,525	2,48,217	3,008	4,85,649	1,24,807	1,47,779	....	16,619
1875	1,15,35,006	5,52,738	2,20,569	2,16,632	2,45,274	594	6,72,987	1,58,980	1,45,956	....	14,855
1876	1,,2,75,710	5,73,458	2,17,684	2,13,994	2,38,487	2,113	6,36,147	1,41,725	1,48,356	....	13,921
1877	1,14,77,990	5,47,541	2,20,161	2,14,670	2,44,389	1,948	7,81,019	85,697	1,49 562	....	19,164
		Consolidated Rate.									
1878	1,15,37,118	....	9,35,034	....	2,14,560	....	6,95,006	1,60,365	1,52,229	....	22,67.1
1879	1,14,03,417	....	10,52,773	.. .	2,25,369	3,563	5,23,617	1,43,750	1,65,029	....	20,761
1880	1,17,89,525	....	8,99,634	....	2,31,925	846	6,57,784	1,43,750	1,61,127	....	23,911
1881	1,17,14,470	@8%	10,58,819	....	2,31,866	1,502	6,37,482	1,43,750	1,61,625	....	24,059
						For 15 months, i.e., from 1st January 1882 to 31st March 1883, the calendar year					
1882-83	1,25,80,263	....	12,34,975	....	4,12,027	....	8,17,199	1,43,750	2,06,014	....	32,000
1883-84	1,46,64,607	@8%	9,83,538	....	2,55,227	3,417	6,67,113	1,79,887	1,74,306	....	24,708
1884-85	1,53,82,744	Do.	11,80,307	...	3,09,532	4,805	7,73 431	1,43,750	1,72,622	....	25,517
1885-86	2,00,25,223	Do.	14,61,365	....	3,32,485	4,525	6,79,293	1,43,750	1,79,177	....	29,314
1886-87 .. .	2,16,27,230	@8½%	14,88,867	....	3,19,661	3,913	10,12,152	1,43 750	1,90,250	....	29,776
1887-88	2,27,92,346	@8%	14,07,013	....	3,36,993	4,050	9,95,750	1,43,750	1,84,168	(a) Fire tax	37,857
1888-89	2,39,51,443	Do	14,66,024	....	3,14,571	45,471	7,28,897	1,43,750	1,91,297	@½%	34,705
1889-90	2,73,64 259	Do	15,82,509	....	3,25,616	52,792	6,67,965	1,43,750	1,90,922	....	(a) 79,187
1890-91	2,82,27,355	Do.	15,64,932	....	3,56,648	60,451	9,75,520	1,43,750	1,80,284	@¼%	1,25,345
1891-92	2,85,80,023	Do.	17,57,081	....	3,42,973	75,101	8,40,222	1,43,750	1,86,151	Do.	1,64,263
1892-93	2,64,03,982	Do.	17,73,501	....	3,44,905	79,376	9,73,928	1,43,750	1,86,703	Do.	1,65,838
1893-94	2,69,79,728	Do.	17,49,321	....	3,51,175	85,817	8,97,256	1,43,750	1,86,829	@½%	1,10,504
1894-95	2,76,13,741	Do.	17,49,385	....	3,56,082	95,137	8,88,542	1,43,750	2,05,344	Do.	1,09,325
1895-96	2,82,56,881	Do.	17,67,000	...	3,65,525	96,335	9,10,851	1,43,750	2,17,475	Do.	1,10,427
1896-97	2,89,27,618	Do.	17,45,829	...	2,46,681	74,085	6,45,141	1,43,750	1,82,867	Do.	1,08,138
1897-98	2,94,82,805	Do.	19,35,325	....	3,46,828	88,662	9,51,424	1,43,750	1 89,323	Do.	1,20,961
1898-99	2,98,13,636	@9%	21,06,995	....	3 39,197	87,754	11,17,161	1,43,750	2,08,544	Do.	1,17,219
1899-1900 ..	3,05,17,991	@12½%	28,74,389	....	3,02,748	90,346	15,91,721	1,43,750	2,21,338	Do.	1,20,127
1900-1901 ..	3,13,75,106	Do.	28,94,971	....	3,21,366	95,702	11,31,371	1,43,750	2,16,939	Do.	1,29,647
1901-02	3,18,11,825	@10%	25,72,901	....	3,40,747	92,733	8,62,123	1,43,750	2,33,065	Do.	1,27,670
1902-03	3,18,91,409	Do.	25,81,510	....	3,71,013	1,02,070	12,18,346	1,43,750	2,44 092	Do.	1,29,049
1903-04	3,44,49,599	Do.	27,64,974	....	3,28,070	1,05,511	11,68,979	1,43,750	2,40,064	Do.	1,38,163
1904-05	3,54,75,954	Do.	30,26,572	.....	4,19,557	1,03,772	14,16,943	1,43,750	2,60,744	Do.	1,51,302
1905-06	3,81,90,177	@8½%	27,55,778	....	4,48,343	98,923	11,68,450	1,43,750	2,73,779	@½%	1,20,057
1906-07	4,14,48,901	Do.	29,58,345	....	4,42,749	1,03,221	13,34,074	1,43,750	2,95,328	Do.	1,28,631
1907-08	4,42,79,940	@8%	29,74,517	....	4,29,892	1,06,284	13,90,203	1,43,750	2,80,355	Do.	1,39,829
1908-09	4,68,75,766	Do.	31,47,340	....	4,79,857	1,19,276	12,96 220	1,43,750	2,78,890	Do.	1,47,522
1909-10	4,94,44,987	@9½%	38,05,816	....	5,01,553	97,754	14.23,491	1,43,750	2,80,614	Do.	1,65,267
1910-11	5,20,51,478	@10½%	43,61,660	....	4,72,198	99,314	16,86 860	1,43,750	2.59,907	@ ½%	2,15,094
1911-12	5,36,02,464	Do.	47,42,693	....	4,69,487	1,13,777	12,47,097	1,43,750	2,78,896	Do.	2,38,627
1912-13	5,51,71,773	Do.	47,15,833	....	5,23,522	1,21,773	17,42,131	1,43,750	2,81,526	Do.	2,33,029
1913-14	5,79,47,483	@9½%	46,41,022	....	5,51,500	1,29,771	17,30,637	1,43,750	2,97,283	Do.	2,44,293
1914-15	6,08,41,390	Do.	48,49,431	....	5,19,818	1,27,640	8,32,810	1,43,750	2,92,036	@¾%	1,92,018
1915-16	6,34,16,191	Do.	52,31,257	....	5,18,773	1,27,587	20,19,097	1,43,750	3,04,644	Do.	2,06,494
1916-17	6,54,13,855	Do.	53,16,432	....	5,01 436	1,31,072	18,70,385	1,43,756	3,52,877	Do.	2,05,911
1917-18	6,80,98,601	Do.	54,75,264	....	5,86,976	1,58 940	20,40,505	1,43,750	3,71,291	Do.	2,16,120

W. E. WAITE,
Chief Accountant.

No. 21.

to close of the financial year 1917-1918.

Total Taxation Proper.	SERVICES RENDERED. Halalkhore Tax.	SERVICES RENDERED. Water Tax.	Total services rendered.	MISCELLANEOUS. Government contribution for Police and City Improvement Trust.	MISCELLANEOUS. Returns from property and Miscellaneous.	Total Income.	Year.	Population by Census.	Incidence of taxation per head of population.	Five years' average annual income.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs. a. p.	
19,42,762	....	1,78,719	1,78,719	....	2,42,306	23,63,787	1865	8,16,562	2 9 6	
18,76,545	1,92,862	6,49,121	8,41,973	....	2,96,154	29,14,672	1866	..	3 5 1	
22,14,905	1,45,924	3,73,0 6	5,18,830	1,50,000	1,26,782	30,40,524	1867	....	3 6 1	31,12,978
22,78,927	3,91,194	4,98,377	8,89,831	2,60,129	4,25,787	38,32,674	1868	....	14 0	
24,18,773	2,20,562	3,62,998	5,83,560	1,09,882	2,71,011	33,93,226	1869	....	3 11 0	
23,14,059	2,13,197	3,66,986	5,80,183	1,09,882	2,73,025	33,07,749	1870	....	2 9 3	
20,45,042	1,99,985	3,57,575	5,57,561	....	2,69,554	28,71,160	1871	....	3 3 11	
20 78,240	2,17,071	4,07,435	6,24,904	....	3,45,185	30,48,331	1872	6,44,405	4 3 1	31,06,534
20,66,275	2,00,590	4,00,639	6,01,229	....	4,56,604	33,24,108	1873	....	4 7 2	
20,78,620	1,92,236	3,63,087	5,55,322	....	3,47,980	29,81,322	1874	..	4 1 4	
22,28,085	1,94,215	3,00,212	4,94,427	90,000	3,31,014	31,43,526	1875	...	4 3 7	
21,84,986	2,04,077	3,18,377	5,12,454	90,000	3,90,283	31,77,723	1876	....	4 2 11	
22,31,131	2,01,299	3,11,823	5,13,122	90,000	4,04,298	32,41,452	1877	....	4 4 2	32,09,805
21,79,968	1,95,380	2,92,780	4,88,160	90,000	3,87,015	31,45,153	1878	....	4 2 2	
21,45,962	2,42,015	3,54,798	5,96,813	90,000	5,09,299	33,41,174	1879	....	4 4 0	
21,18,977	2,03,047	3,90,703	5,93,750	75,000	4,64,173	32,51,870	1880	....	4 3 4	
22,59,094	2,81,985	5,21,819	8,03,804	60,000	7,57,976	38,73,694	1881	7,73,196	3 15 5	
being changed to the financial year, the income was as follows:-										32,37,843
26,45,965	3,28,916	6,70,677	9,99,593	91,125	6,75,575	46,12,240	1882-83	....	4 15 6	
23,87,996	2,43,557	5,47,657	7,91,204	85,672	5,72,400	37,37,272	1883-84	....	3 15 8	
25,83,967	2,89,616	5,96,133	8,85,739	90,000	6,54,162	42,13,868	1884-85	....	4 7 9	
28,30,449	3,16,787	6,65,370	9,82,157	90,000	5,71,367	44,73,973	1885-86	....	4 14 10	
31,88,299	3,18,630	7,74,631	10,93,261	....	6,20,214	49,01,814	1886-87	....	5 8 7	
31,10,581	3,72,288	8,83,724	12,55,982	....	7,99,967	51,66,530	1887-88	....	5 10 4	49,70,136
29,21,718	3,90,039	9,63,804	13,53,843	....	6,90,632	49,06,193	1888-89	....	5 8 5	
30,41,841	4,73,919	11,23,068	15,96,923	....	7,08,403	53,42,169	1889-90	....	5 15 11	
34,19,934	5,27,222	11,49,198	16,76,420	....	(a) 10,78,551	61,65,901	1890-91	....	6 9 3	
35,07,542	5,55,827	11,81,499	17,37,306	....	9,88,335	62,33,183	1891-92	8,21,764	6 6 1	
36,88,091	6,23,200	14,07,081	20,29,281	....	9,75,861	66,72,943	1892-93	...	6 14 11	64,74,813
35,24,652	5,82,426	13,86,228	19,68,654	....	(b) 13,69,189	67,62,695	1893-94	....	6 9 0	
35,47,589	6,81,557	13,88,265	20,69,822	....	9,21,981	65,39,372	1894-95	....	6 13 4	
36,11,373	6,57,812	14,42,815	21,00,707	....	(c) 10,49,630	67,61,710	1895-96	....	6 15 2	
31,47,394	6,88,486	13,98,410	20,86,896	....	9,74,888	62,09,178	1896-97	...	6 5 10	
37,76,284	7,35,485	13,29,852	20,65,337	....	(d) 13,03,939	71,45,560	1897-98	....	7 1 8	72,21,395
41,20,620	7,13,122	15,10,970	22,14,092	....	8,27,199	71,81,911	1898-99	....	7 11 4	
53,47,419	7,25,264	17,72,967	24,98,231	....	9,84,167	88,29,817	1899-1900	...	9 8 9	
49,24,736	7,14,440	17,35,635	24,50,075	....	10,28,027	84,02 848	1900-01	....	8 15 7	
43,71,989	7,88,439	15,47,120	23,35,559	....	10,59,181	77,66,729	1901-02	7,76,096	8 10 8	
47,90,830	7,95,984	15,13,976	23,09,960	....	10,74,898	81,75,688	1902-03	...	9 2 4	84,32,809
49,59,505	8,10,610	15,71,506	23,82,176	....	11,40,944	84,82,625	1903-04	....	9 7 4	
55,22,670	8,75,194	17,14,453	25,89,647	....	12,23,794	93,36,111	1904-05	....	10 7 8	
50,08,980	9,32,155	18,37,780	27,90,435	....	12,98,024	90,92,539	1905-06	....	10 0 9	
53,76,598	9,91,362	19,38,429	29,29,791	....	13,42,112	96,48,501	1906-07	9,77,922	8 7 10	
54,64,330	10,46,674	19,48,830	29,95,504	....	14,29,290	98,89,324	1907-08	....	8 10 5	1,00,36,055
56,12,966	11,19,322	20,04,150	31,23,411	....	15,49,671	1,02,86,048	1908-09	....	8 14 11	
64,16,245	11,92,348	20,11,788	32,04,134	....	15,93,485	1,12,13,864	1909-10	....	9 13 6	
72,38,583	12,32,951	19,98,327	32,23,278	....	17,29,288	1,21,90,149	1910-11	9,79,845	10 11 0	
72,29,327	12,92,697	20,79,190	33,71,917	....	20,54,845	1,26,55,789	1911-12	....	10 13 2	
77,66,564	13,30,833	21,70,948	35,21,781		(14,83,248	1,27,41,589	1912-13	....	11 8 5	
77,42 248	13,85,128	22,85,434	36,70,562		14,83,693	1,28,76,501	1913-14	....	11 10 5	1,25,76,079
70,57,003	14,17,648	22,16,012	36,33,660	....	(e) 17,22,703	1,24,13,366	1914-15	....	10 14 8	
85,51,802	14,68,887	23,23,021	37,91,908		14,87,860	1,38,31,070	1915-16	....	12 9 8	
84,41,793	15,25,637	24,71,834	39,97,471	....	15,69,475	1,40,48,739	1916-17	....	12 11 11	
80,32,695	16,19,123	25,57,730	41,10,841	....	15,25,868	1,46,39,880	1917-18	....	13 9 4	1,42,36,398

(a) Includes Rs. 2,32,544 for arrear recoveries for work done.

(b) Rs. 4,58,499 adjusted on account of premia on loans.

(c) Includes premia of Rs. 97,749 on loan raised.

(d) Includes rebate of Plague expenses amounting to Rs. 4,87,055.

(e) Exclusive of the amount of interest realized on Sinking and Special Funds which was hitherto treated as Income.

P. W. MONIE,
Municipal Commissioner.

Appendix

Expenditure of the Bombay Municipality from the

Year.	General Superintendence.	Assessment and Collection.	Fire Brigade.	Public Works (Engineering) Department.	Public Health Department.	General Stores.	Pensions and Gratuities.	Police Charges.	Education.	Medical Relief.	Debt.
1865	Rs. 94,354	Rs. 1,20,472	Rs. Not traceable.	Rs. 31,82,722 13,32,515 17,38,826	Rs. 8,15,914 14,30,295 11,36,721	Rs. Not traceable.	Rs. 345 14,430 2,580	Rs. 1,41,931 3,96,169 4,25,423	Rs.	Rs.	Rs. 20,554 73,760
1866	70,590	87,602	22,708	12,29,394	10,48,872	9,012	3,733	4,17,983	....	....	2,19,977
1869	1,39,879	1,25,691	23,315	12,51,429	8,87,4.5	8,512	5,664	5,25,637	....	....	3,81,068
1870	1,42,202	1,12,488	20,896	13,73,807	8,99,784	8,048	10,354	4,34,9[illegible]	..	....	4,46,187
1871	1,22,853	1,12,851	31,267	16,11,825	7,51,44[illegible]	[illegible]482	7,75[illegible]	5,96,579	7,948	....	4,75 704
1872	1,15,830	1,38,354	34,135	12,53,847	7,61,854	*	7,221	3,[illegible]4	9,321	.. ..	2,52,971
1873	1,16,575	1,41,308	20,946	10,7[illegible]319	7 96,860	*	6,996	[illegible]4 892	1[illegible]00	.. ..	5,66 270
874	1,11,860	1,29,028	[illegible],815	10,[illegible]2,9	7,58,139	*	8,070	3,44,[illegible]	1 ,000	....	5,09,023
1875	1,13,902	1,36,708	20,063	9[illegible]0,791	7,42,958	*	8,631	[illegible]52,929	10,000	36,000	7,15,561
1876	1,09,189	1,42,267	37,754	9,70,19[illegible]	7,67,481	....	11,157	3,57,734	10,000	36,000	7,69,127
1877	1,10,164	1,43,672	21,193	8,95,548	7,40,560	....	8.301	3,54 5.5	10,000	36,000	6,27,792
1878	1,15,597	1,44,467	27,517	8,15,057	7,90,481	....	8,008	3,61,581	15,000	36,000	8,66,223
1879	1,21,997	1,34,372	23,980	8,38,697	8,04,[illegible]5	....	12,084	3,64,804	17,000	36,000	6,91,903
1880	1,28,303	1,37,726	24,803	8,86,191	7,52,410	....	7,749	3,59,1[illegible]	17,500	36,000	6,42,850
1881	1,24,951	1,42,167	29,242	9,16,899	7,98,021	....	8,658	3,57,752	17,500	20,125	7,47,209
For 15 months from 1st January 1882 to 31st March 1883, the calendar											
1882-83	1,82,715	1,87,858	73,665	14,91,1[illegible]	10,14,785	....	12,803	4,54,[illegible]34	28,125	54,918	12,28,882
1883-84	2,01,021	1,48,317	55,389	10,55,[illegible]33	9,16,.16	....	4[illegible],333	5,02,508	22,500	27,832	8,12,061
1884-85	1,83,268	1,64,317	64,377	11,81,351	9,19,987	....	23,293	3,61,748	22,500	34,512	7,37,608
1885-86	1,96,827	1,84,717	44,854	12,34,529	9,55,507	....	18,318	3,59,21[illegible]	25,700	32,349	7,87,527
886-87	1,73,990	2,17,134	70,904	13,02,859	10,10,118	....	19,133	[illegible],61,914	32,6[illegible]4	48,386	8,[illegible],553
1887-88	1,70,915	2,13,138	69,670	13,64,393	10,75,735	....	30,521	2,61,[illegible]48	[illegible]34,7[illegible]5	40,753	23,27,682
1888-89	1,69,223	1,98,820	1,12,328	14,91,[illegible]41	11,56,410	..	19,470	2,59,140	[illegible],[illegible]82	36,857	14,96,115
1889-90	1,77,173	1,92,643	93,907	13,62,241	11,96,577	....	29,139	2,58,2[illegible]5	60,[illegible]58	35,746	14,85,711
1890-91	1,82,198	2,23,854	1,29,291	15,92,[illegible]37	13,92,104	.	22,127	2,58,285	68,64[illegible]	38,601	15,22,139
1891-92	1,91,028	2,41,002	68,671	15,92,073	12,92 529	....	23,890	2,58,285	80,722	80,284	16,37,405
1892-93	1,94,920	2,52,153	1,47,894	17,72,[illegible]12	13,01,563	....	20,845	3,63,625	87,565	49,576	21,97,293
1893-94	2,29,517	2,42,413	1,06,315	15,41,703	13,31,614	....	37,560	3,30,272	88,015	52,476	21,27,457
1894-95	2,11,621	2,47,771	1,14,144	16,67,335	13,70,168	...	46,568	3,74,022	87,290	61,456	20,26,571
1895-96	1,99,317	2,40,990	1,15,991	17,31,317	13,75,234	....	48,452	5,01,098	88,[illegible]1	56,230	21,19,651
1896-97	1,99,641	2,45,159	1,07,654	15,55,649	14,69,987	....	58,601	5,51,58[illegible]	88,889	53,101	20,96,122
1897-98	2,14,792	2,50,483	1,18,508	16,10,367	15,86,638	....	70,006	5,00,006	1,02,624	54,283	22,60,571
1898-99	2,10,880	2,67 182	1,09,076	14,19,617	16,89,174	....	56,866	5 01,013	1,14,776	55,291	24,51,138
1899-1900	1,97,643	2,72,850	1,17,098	16,01,898	20,30,444	....	66,[illegible]34	5,00,[illegible]0	1,11,990	54,997	23,40,209
1900-01	2,28,644	3,26,719	1,18,639	17,01,178	21,68,479	....	75,922	6,02,455	1,11,930	58,977	25,[illegible],311
1901-02	2,13,036	2,94,064	1,21,728	15,71,437	20,07,064	....	66,440	5,00,022	1,12,513	57,000	26,56,575
1902-03	2,16,767	2,92,939	1,10,182	15,90,956	20,[illegible],929	....	62,852	5,97,504	1,10,474	56,290	27,11,361
1903-04	2,34,069	2,90,459	1,24,119	16,65,761	19,79,374	....	57,487	5,00,381	1,12,858	54,625	29,18,564
1904-05	2,29,315	3,18,017	1,34,282	18,81,059	[illegible]8,46,[illegible]02	15,904	74,324	5,01,076	1,53,763	57,000	28,[illegible]3,563
1905-06	2,43,603	3,24,580	1,23,286	19,54,843	19,91,180	19,169	71,776	5,00,000	1,61,420	57,606	29,83,171
1906-07	3 06,306	3,29,381	1,28 015	19,39,665	21,46,791	27,869	75,803	5,01,862	1,65,815	56,218	31,77,715
1907-08	2,59,564	3,26,403	1,69,574	21,17,260	22,87,706	31,328	74,395	1,38,150	2,65,350	4,50,151	32,26,943
1908-09	2,71,046	3,73,694	1,71,926	23,92,821	24,24,002	29,456	65,623	....	2,76,085	4,64,515	32,98,247
1909-10	3,09,102	3,69,460	1,56,958	23,86,781	23,64,6[illegible]0	30,859	69,817	....	2,93,256	4,62,579	33,77,184
1910-11	2,82,088	3,35,546	1,88,087	24,16,822	21,03,537	31,062	84,294	....	4,17,124	4,64,416	36,[illegible]3 569
1911-12	2,93,609	3,75,204	1,79,978	24,67,700	21,40,626	33,054	86,701	....	4,20,311	4,72,858	37,14,629
1912-13	3,14,525	4,40,506	3,27,304	28,62,134	23,15,541	34,069	96,913	....	4,18,511	4,46,160	38,43,317
1913-14	3,11,059	4,41,694	1,66,104	29,41,742	23,69,128	35,094	1,07,409	....	4,86,295	4,41,840	34,34 320
1914-15	3,13,576	4,16,898	1,85,577	30,02,230	23,15,264	36,771	1,11,704	....	5,02,224	4,39,260	37,62,252
1915-16	3,19,660	4,51,638	1,92,453	30,13,184	22,93,411	38,277	1,15,167	....	5,43,948	4,37,819	39,34,821
1916-17	3,23,014	4,93,398	1,92,626	31,61,770	25,35,855	40,588	1,18,5[illegible]0	....	5,91,873	4,25,960	44,11,104
1917-18	3,50,132	5,33,526	2,22,212	32,75,495	25,52,833	44,085	1,75,960	....	7,31,595	4,55,670	41,56,664

(Combined with Controller's Office.

W. E. WAITE,
Chief Accountant.

No. 22.

year 1865 to the year 1917-1918.

Contribution to the Bombay Improvement Trust.	Public Gardens.	Stores, Plant and Live Stock.	Municipal Building Fund.	Road Improvement Fund.	Investments Fund.	Plague Expenses.	Miscellaneous.	Total.	Year.	Five years' average annual expenditure.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.
....	....	5,10,250	....	....	....	....	1,17,345	49,59,333	1865	
....	....	82,059	....	....	....	....	1,25,240	36,01,922	1866	
....	....	2,70,545	....	....	....	....	1,49,623	42,16,346	1867	38,77,203
....	....	3,32,723	....	....	....	....	37,775	34,77,058	1868	
....	....	....	....	....	....	....	42,665	31,31,358	1869	
....	....	....	....	....	....	....	23,416	33,22,185	1870	
....	....	....	....	....	....	....	53,313	38,04,661	1871	
....	27,273	....	....	....	....	....	(a) 1,57,333	31,15,888	1872	32,69,596
....	11,857	....	....	....	....	....	22,354	30,44,577	1873	
....	14,473	....	....	....	....	....	46,646	29,90,663	1874	
....	13,282	....	....	....	....	....	(b) 1,19,851	32,65,027	1875	
....	21,638	....	....	....	....	....	47,696	31,60,438	1876	
....	20,221	....	....	....	....	....	55,559	30,36,535	1877	31,66,669
....	21,190	....	....	....	....	....	71,103	32,70,324	1878	
....	17,709	....	....	....	....	....	51,791	31,11,122	1879	
....	20,756	....	....	....	....	....	44,391	30,87,892	1880	
....	19,463	....	2,50,000	....	....	....	(c) 3,52,835	37,98,872	1881	
year being changed to the financial year, the expenditure was :—										
....	26,969	....	50,000	19,000	....	....	38,740	47,53,632	1882-83	38,41,465
....	20,263	....	20,000	....	....	....	33,934	37,15,812	1883-84	
....	22,738	....	801	....	....	....	(d) 2,11,150	38,31,020	1884-85	
....	23,864	....	39,199	....	....	....	98,226	40,66,940	1885-86	
....	38,326	....	49,779	....	....	....	57,562	41,76,362	1886-87	
....	42,122	....	50,221	....	....	....	32,436	56,12,690	1887-88	48,59,951
....	48,929	....	55,577	....	....	....	(e) 1,12,356	52,01,258	1888-89	
....	65,153	....	24,459	....	3,000	....	58,553	50,42,405	1889-90	
....	87,805	....	28,907	....	3,113	....	(f) 1,85,807	56,84,861	1890-91	
....	77,225	....	27,905	....	3,274	....	2,07,780	57,82,073	1891-92	
....	96,944	....	....	....	3,386	....	52,566	45,45,512	1892-93	62,69,972
....	(f)2,80,463	....	....	....	5,64,372	....	23,321	69,63,928	1893-94	
....	93,969	....	....	....	44,086	....	28,485	62,78,486	1894-95	
....	64,028	....	....	....	1,46,180	....	15,519	67,02,516	1895-96	
....	60,312	....	....	....	1,42,601	4,37,055	35,503	70,04,743	1896-97	
....	71,447	....	....	....	38,478	5,06,000	1,20,712	74,96,969	1897-98	71,87,147
....	74,959	....	....	....	37,425	—5,00,000 (g)	{ 8,12,546 / 19,873 }	73,39,026	1898-99	
....	75,260	....	....	....	35,316	— 43,694	32,385	73,92,480	1899-1900	
4,74,605	69,370	....	....	....	58,400	— 922	1,86,444	85,84,058	1900-01	
4,81,000	57,685	....	....	....	59,259	....	38,695	82,26,458	1901-02	
3,00,000	58,874	....	....	....	58,136	....	75,124	84,53,393	1902-03	84,57,384
3,50 000	67,422	....	....	....	33,265	....	24,006	84,31,390	1903-04	
2,50 000	66,092	....	....	....	35,399	1,81,920	57,512	85,91,618	1904-05	
2,50,000	64,761	....	....	....	39,377	2,26,338	(h) 3,62,359	93,74,342	1905-06	
3,00,000	64,735	....	....	....	39,626	2,43,044	18,945	95,20,790	1906-07	
2,56,081	75,168	....	....	....	44,445	1,95,517	1,30,930	1,01,89,201	1907-08	1,02,22,291
4,50,000	92,905	....	....	....	47,843	2,23,328	37,952	1,06,30,126	1908-09	
7,80,000	98,964	....	....	....	1,21,917	2,09,915	(i) 3,65,173	1,13,97,050	1909-10	
8,25,000	91,210	....	....	....	49,473	1,87,234	1,31,399	1,12,81,872	1910-11	
8,55,000	76,021	....	....	....	57,933	1,56,903	1,25,274	(j) 1,14,84,562	1911-12	
9,25,000	93,932	....	....	....	10,000	1,47,763	2,25,882	(k) 1,16,81,537	1912-13	1,17,90,028
8,32,093	91,583	....	....	....	10,000	1,24,682	2,15,193	(l) 1,20,48,926	1913-14	
9,76,938	92,295	....	....	....	10,000	1,27,653	1,69,869	(m)1,24,33,191	1914-15	
10,17,420	89,738	....	....	....	10,000	1,23,912	(n) 1,24,031	1,28,03,870	1915-16	
11,01,289	90,490	....	....	....	(p) 3,08,135	1,29,958	(o) 2,37,780	1,42,14,292	1916-17	1,37,49,861
10,98,113	81,555	....	....	....	(q) 81,390	1,32,160	3,89,492	1,42,61,391	1917-18	

(a) Includes write-off of loss of in stores of Rs. 1,45,993.
(b) Includes Rs. 50,000 for visit of H. R. H. the Prince of Wales.
(c) Includes special adjustment of Rs. 3,24,827 for re-arranging the different loan funds.
(d) Includes loss of Rs. 1,84,774 on the sale of the Panwel Brick Factory.
(e) Includes Rs. 62,048 for loss on sale of investments.
(f) Includes Rs. 1,96,555 for land acquired.
(g) Write-off on account of frontage lands in Agripada.
(h) Includes contribution of Rs. 3,00,000 towards celebrating the visit of T. R. H. the Prince and Princess of Wales.
(i) Includes charges for Grain Compensation and Local Allowance and the loss sustained in the sale of unserviceable stores written off.
(j) Excludes Rs. 9,04,000 transferred from revenue for writing off a portion of the Plague expenditure advanced from Loan Funds.
(k) Excludes Rs. 3,10,053 transferred from revenue for writing off a portion of the Plague expenditure advanced from Loan Funds as well as the amount of investments of interest realized on Sinking and Special Funds.
(l) Excludes Rs. 1,00,000 transferred from revenue for writing off the balance of the Plague expenditure advanced from Loan Funds as well as the amount of investment of interest realized on Sinking and Special Funds.
(m) Excludes Rs. 35,455 being the write-off of the proportionate cost (paid out of Loan Funds) of the Halaikhores' Chawl at Vincent Road sold to the City Improvement Trust as well as the amount of investments of interest realized on Sinking and Special Funds.
(n) Includes Rs. 25,000 being the contribution towards the cost of cadastral survey of the town and island of Bombay.
(o) This includes Rs. 1,20,312 on account of discount on the conversion of 3 per cent. or 3½ per cent. Government Paper into 4 per cent. conversion loan of 1916-17.
(p) This includes Rs. 2,98,135 being the amount of investment on account of sale-proceeds of Municipal lands into Municipal Land and Building Fund.
(q) This includes Rs. 41,399 being the amount of investment on account of sale proceeds of Municipal Lands into Municipal Land and Building Fund.

P. W. MONIE,
Municipal Commissioner.

Appendix No. 23.

CONTRASTED STATEMENT OF INCOME AND EXPENDITURE OF THE BOMBAY MUNICIPALITY FROM 1865 TO 1917-18.

YEAR.	Income.	Expenditure.	DIFFERENCE.	
			Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.
1865	23,63,787	49,59,333	.....	25,95,546
1866	29,14,672	36,01,922	.....	6,87,250
1867	30,40,524	42,16,346	.....	11,75,822
1868	38,52,674	34,77,058	3,75,616	.....
1869	33,93,226	31,31,358	2,61,868	.....
1870	33,07,749	33,92,185	.....	84,436
1871	28,71,160	38,04,661	.....	9,33,501
1872	30,48,331	31,15,888	.....	67,557
1873	33,24,108	30,44,577	2,79,531	.....
1874	29,81,322	29,90,663	.....	9,341
1875	31,43,526	32,65,027	.....	1,21,501
1876	31,77,723	31,60,438	17,285	.....
1877	32,41,452	30,36,535	2,04,917	.....
1878	31,45,153	32,70,224	.....	1,25,071
1879	33,41,174	31,11,122	2,30,052	.....
1880	32,51,870	30,57,992	1,93,878	.....
1881	38,73,694	37,98,872	74,822	.....
From 1st January 1882 to 31st March 1883 (15 months).	46,12,240	47,53,632	.....	1,41,392
1883-1884	37,37,272	37,15,812	21,460	.....
1884-1885	42,13,868	38,81,020	3,32,848	.....
1885-1886	44,73,973	40,66,940	4,07,033	.....
1886-1887	49,01,814	41,76,362	7,25,452	.....
1887-1888	51,66,530	58,12,690	.....	6,46,160
1888-1889	49,66,193	52,01,258	.....	2,35,065
1889-1890	53,42,169	50,42,405	2,99,764	.....
1890-1891	61,65,901	56,84,861	4,81,040	.....
1891-1892	62,33,183	57,82,073	4,51,110	.....
1892-1893	66,72,943	65,45,512	1,27,431	.....
1893-1894	67,62,695	69,63,928	.....	2,01,233
1894-1895	65,39,372	63,73,486	1,65,886	.....
1895-1896	67,61,710	67,02,516	59,194	.....
1896-1897	62,08,978	70,04,743	.....	7,95,765
1897-1898	71,45,560	74,96,969	.....	3,51,409
1898-1899	71,61,911	73,39,026	.....	1,77,115
1899-1900	88,29,817	73,92,480	14,37,337	.....
1900-1901	84,02,848	85,84,058	.....	1,81,210
1901-1902	77,66,729	82,26,458	.....	4,59,729
1902-1903	81,75,688	84,53,398	.....	2,77,710
1903-1904	84,82,625	84,31,390	51,235	.....
1904-1905	93,36,111	85,91,618	7,14,493	.....
1905-1906	90,92,539	93,74,242	.....	2,81,703
1906-1907	96,48,501	95,20,790	1,27,711	.....
1907-1908	98,89,324	1,01,89,201	.....	2,99,877
1908-1909	1,02,86,048	1,06,30,126	.....	3,44,078
1909-1910	1,12,13,864	1,13,97,050	.....	1,83,186
1910-1911	1,21,96,149	1,12,81,872	9,14,277	.....
1911-1912	1,26,55,789	*1,14,84,562	11,71,227	.....
1912-1913	1,27,41,589	(a)1,16,81,587	10,60,002	.....
1913-1914	1,28,76,501	(b) 1,20,48,926	8,27,575	.....
1914-1915	1,24,13,366	(c) 1,24,53,191	.....	39,825
1915-1916	1,38,31,070	1,28,03,870	10,27,200	.....
1916-1917	1,40,48,739	1,42,14,292	.....	1,65,553
1917-1918	1,48,29,386	1,42,61,391	5,67,995	.....

* This is exclusive of Rs. 5,00,000 utilized towards writing off a portion of the Plague expenditure.
(a) Do. " 3,10,052-7-4 do. do. do.
(b) Do. " 1,00,000 do. the balance do.
(c) This is exclusive of Rs. 35,455 being the write-off of the proportionate cost (paid out of Loan Funds) of the Halalkhores' chawl at Vincent Road sold to the City Improvement Trust.

W. E. WAITE,
Chief Accountant.

P. W. MONIE,
Municipal Commissioner.

REVENUE.

1. The total amount collected under all heads, exclusive of tolls, miscellaneous receipts and fees was Rs. 1,02,38,011-15-3 against the estimate of Rs. 97,62,000-0-0 a difference of Rs. 4,76,011-15-3, detailed as under:—

Taxes.	Estimate.	Actual collections including adjustments.	Increase.
	Rs.	Rs. a. p.	Rs. a. p.
General Tax...	55,50,000	57,11,215 11 8	1,61,215 11 8
Water Tax*	24,05,000	26,23,661 9 7	2,18,661 9 7
Halalkhore Tax	15,52,000	16,20,060 4 3	68,060 4 3
Wheel Tax	2,55,000	2,83,074 5 9	28,074 5 9
Total ...	97,62,000	1,02,38,011 15 3	4,76,011 15 3

* Exclusive of meter hire and receipts by the Hydraulic Engineer.

2. As compared with the total collections for 1916-17, *viz.*, Rs. 96,59,428-7-1, the collections for 1917-18, *viz.*, Rs. 1,02,38,011-15-3 are more by Rs. 5,78,583-8-2.

3. On 31st March 1918, the outstandings for property taxes, charges for water by meter and wheel tax (private) were Rs. 67,983-7-10 against Rs. 65,387-9-0 on 31st March 1917, of which Rs. 45,603-1-10 have been collected or adjusted up to 20th May 1918, leaving at that date Rs. 22,380-6-0 outstanding for all previous years. Out of this sum Rs. 89-0-0 are irrecoverable and Rs. 13,352-3-8 are disputed as under:—

Particulars.	Bills.	Amount.
		Rs. a. p.
Claims presented to the Official Assignee and Receivers in cases of Insolvents, &c.	11	224 10 0
Small Causes Court decrees obtained	9	80 13 8
Motor vehicles bills disputed out of which exemption is claimed by the members of the Bombay Volunteer Rifles and of the Bombay Volunteer Artillery in 65 cases of motor cycles and the question is under the consideration of Government	139	1,611 10 8
Disputes about valuations and water by meter, etc.... ...	100	11,435 1 4
Total ...	259	13,352 3 8

4. Properties in the Assessment Book on 31st March 1918 were 63,843 as under against 63,051 on 31st March 1917:—

Buildings	41,184
Salt pans	110
Lands (including tanks, wells, &c.)	22,549
Total ...	63,843

Of this number 53,302 were assessed for the General Tax, 2,279 were exempted under Section 143 (1) (A) (B) of the Municipal Act, 6,518 were not charged the General Tax, being small plots of waste lands, houses marked "Unfit for human habitation," the assessments of which were temporarily reduced to a nominal value of Rs. 6, for which no bills were issued. The number of Municipal properties which are not assessed under Section 143 (1) (*b*) of the Act is 1,744.

5. The number of buildings newly erected, demolished and enlarged in 1917-18 was 1,234, 1,014 and 551, respectively.

6. The assessments of properties contrasted with those of 1916-17 were :—

Year.	Original Assessment (Gross).	Amounts after disposal of complaints.		Amount of subsequent reduction during the year by demolition and on complaints.	Gross amount after deduction of subsequent reduction.	Subsequent enhancement (new buildings, enlargements and under assessments) (Gross).	Total Gross Assessment.	Increase—Final difference over preceding year's gross assessment.	Rateable Assessment.	Classification of Rateable Assessment.			
		No. of complaints against opening Assessment.	Gross Assessment.							Chargeable with General Tax.	Exempted from General Tax, Section 143 (1) (*a*) and (*b*).	For which no General Tax bills issued.	Total Rateable Assessment.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1916-17	6,40,01,716	3,531	6,40,39,989	17,26,534	6,23,13,455	31,00,400	6,54,13,855	19,97,664	5,88,81,972	5,62,07,251	26,60,289	14,432	5,88,81,972
1917-18	6,63,15,363	3,608	6,68,16,417	7,55,841	6,60,60,576	19,67,425	6,80,28,001	26,14,146	6,12,34,537	5,84,64,896	27,56,008	13,633	6,12,34,537

7. There were 3,330 complaints against assessments made from 1st April and 278 complaints against assessments made during the currency of the year, making a total of 3,608 complaints against 3,531 complaints in 1916-17.

8. The following tables give the increases and decreases in property taxes levied as compared with those of 1916-17 :—

General Tax.

1916-17.				1917-18.				Increase (Difference between columns 4 and 8.)
9½ per cent.	Compounded sum payable by Government under Section 144 (3).	Compounded sum payable by Port Trustees, under Section 145 (3).	Total of columns 1, 2 and 3.	9½ per cent.	Compounded sum payable by Government under Section 144 (3).	Compounded sum payable by Port Trustees under Section 145 (3).	Total of columns 5, 6 and 7.	
1	2	3	4	5	6	7	8	9
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
49,27,109 8 8	2,62,550 9 6	3,70,786 0 0	55,50,446 2 2	51,50,045 11 8	2,62,550 9 6	3,70,786 0 0	57,78,382 5 2	2,32,936 3 0

The amount of General Tax on properties exempted from its payment under Section 143 (1) (*a*) and (*b*) is Rs. 2,72,155-13-6 against Rs. 2,62,703-9-6 in 1916-1917.

Water Tax.

1916-17.				1917-18.				Difference.			
On rateable value @ 3 per cent.	Compounded.	On meter measurement.	Total of columns 1, 2 & 3.	On rateable value @ 3 per cent.	Compounded.	On meter measurement	Total of columns 5, 6 & 7.	On rateable value (increase).	Compounded (decrease).	On meter measurement (increase).	Difference between columns 4 & 8 (increase).
1	2	3	4	5	6	7	8	9	10	11	12
a. p. 4 1	a. p. 13 7	a. p. 7 2	a. p. 8 10	a. p. 14 6	a. p. 0 5	a. p. 12 9	a. p. 11 8	a. p. 10 5	a. p. 13 2	a. p. 6 7	a. p. 2 10
Rs. 11,35,988	Rs. 13,490	Rs. 12,53,359	Rs. 24,02,783	Rs. 11,93,025	Rs. 13,387	Rs. 14,26,062	Rs. 26,33,475	Rs. 57,042	Rs. —103	Rs. 1,72,803	Rs. 2,29,742

Halalkhore Tax.

1916-17.			1917-18.			Difference between columns 3 and 6 (increase).
On rateable value at 3 per cent.	On special service.	Total of columns 1 & 2.	On rateable value at 3 per cent.	On special service.	Total of columns 4 & 5.	
1	2	3	4	5	6	7
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
14,42,219 7 1	1,01,815 3 8	15,44,034 10 9	15,11,392 7 1	1,02,396 11 10	16,13,789 2 11	69,754 8 2

9. The total demand on account of property taxes amounted to Rs. 1,00,19,647-3-9 (including Government and Port Trust) to which is to be added Rs. 39,117-3-5 on account of previous years, making a total of Rs. 1,00,58,764-7-2, from which sum Rs. 67,897-11-7 were allowed as one-fifth drawback of the General Tax under Section 158 (2) of the Municipal Act. The total number of claims for one-fifth drawback was 7,573.

10. For these taxes 133 bills for Rs. 39,117-3-5 were issued for previous years and for 1917-18, 67,219 bills for Rs. 93,28,412-14-8 (excluding Government and Port Trust, for which no bills are issued, the amounts being paid direct into the Chief Accountant's Office), were issued, making a total of 67,352 bills for Rs. 93,67,530-2-1.

11. The outstanding balance for property taxes for all years on 31st March 1917 was Rs. 62,492-15-11. During 1917-18, bills for these taxes, amounting to Rs. 93,67,530-2-1, were issued. Government and Port Trust contributions were Rs. 6,23,336-9 6 (*viz.*, Rs. 2,52,550-9-6 and Rs. 3,70,786-0-0, respectively). Thus the total demand amounted to Rs. 1,00,53,359-11-6.

12. Of this amount Rs. 99,54,937-9-6 were collected, *i.e.*, Rs. 57,514-6-10 for former years, and Rs. 98,97,423-2-8 for 1917-18, leaving uncollected the sum of Rs. 98,422-2-0. Deducting from this amount Rs. 34,395-15-6 on account of bills recalled and cancelled, the balance outstanding on 31st March 1918 was Rs. 64,026-2-6.

13. The outstandings on 31st March 1918 were Rs. 9,699-13-0 on account of former years and Rs. 54,326-5-6 for 1917-18, making a total of Rs. 64,026-2-6.

Tax on Vehicles and Animals.

14. The demand on account of the tax on private vehicles and animals for the four quarters ended 31st December 1917 was Rs. 2,84,770-8-0 against Rs. 2,66,689-13-4 for 1916, to the first sum are to be added Rs. 2,894-9-1 outstanding on 31st March 1917, and amended demand aggregating Rs. 553-0-0 for former years, making a total of Rs. 2,88,218-1-1 for recovery. 20,907 bills were issued during 1917-18. The amount collected was Rs. 2,83,074-5-9, leaving Rs. 5,143-11-4 uncollected of which Rs. 388-11-7 were written off under Standing Committee's Resolutions Nos. 1078, dated 14th May 1917, 2865, dated 8th August 1917, 4872, dated 31st October 1917 and 6974, dated 30th January 1918, and Rs. 797-10-5 were on account of bills recalled, amended bills being issued, making a total of Rs. 1,186-6-0, which deducted from Rs. 5,143-11-4 leaves Rs. 3,957-5-4 outstanding at the end of the year.

15. During the year there were taxed 3,471 four-wheeled vehicles, 962 two-wheeled vehicles, 987 vehicles not drawn by horses, etc., 2,003 motor cars, 307 motor cycles, 5,990 horses (including those in Commission Stables), 140 ponies, 1,287 bullocks, 2 donkeys and 9 buffaloes.

16. The following table shows the total demands, collections and balances on account of property taxes and tax on private vehicles and animals:—

Year.	Opening Outstanding Balance.	Demand assessed for the year and for former years.	Total.	Bills written off under Standing Committee's Resolutions and Bills recalled for Amendment.	Collections.	Outstanding Balance on 31st March 1918.
1	2	3	4	5	6	7
1917-18.	Rs. a. p. 65,387 9 0	Rs. a. p. 1,02,74,190 3 7	Rs. a. p. 1,03,41,577 12 7	Rs. a. p. 35,582 5 6	Rs. a. p. 1,00,38,011 15 3	Rs. a. p. 67,983 7 10

17. The miscellaneous receipts for Notices, Warrants, Battuki Fees and other small items amounted to Rs. 5,908-1-1 against Rs. 5,597-8-4 in 1916-17. The receipts for Meter Hire were Rs. 33,646-8-0 against Rs. 32,005-7-8 in 1916-17

18. Certificates of refund of taxes for 1917-18, and for former years were issued as under:—

	Rs.	a.	p.
General Tax	17,372	0	4
Water Tax...	10,688	4	3
Halalkhore Tax	6,532	1	4
Wheel Tax	147	10	8
Meter Hire	83	0	11
Notice Fees	3	0	0
Total ...	34,826	1	6

19. The appeals filed against the valuations for 1917 to the Chief Judge of the Small Causes Court were as under:—

8 against the valuations fixed on complaints in 1916-1917 for 1917-1918, and 2 against the amendment under Section 167 of the Municipal Act during the currency of the year against 7 and 6 respectively in 1916-1917. Out of these 10 appeals, 9 were settled out of Court and withdrawn by the appellants and in one case the valuation was reduced by the Small Causes Court.

20. The right of collecting the Toll at the Mahim and Sion Causeways was sold in 1917-1918 for Rs. 23,500 (from 1st August 1917 to 31st July 1918) against Rs. 20,125 in 1916-1917. The total income in 1917-1918 under this head was Rs. 22,375-0-0 against Rs. 20,766-10-8 in 1916-1917.

21. The Assistant Assessors and the whole staff worked zealously in the interest of the Municipality.

22. In 1903-1904, the assessment and income of the Department were as under:—

Gross Assessment.	Amount collected.	Outstanding balance.
Rs. 3,44,49,599	Rs. 54,46,544	Rs. 3,18,275

while in 1917-1918 they were as under:—

Gross Assessment.	Amount collected.	Outstanding balance.
Rs. 6,80,28,001	Rs. 1,02,38,011	Rs. 67,983

23. This gives an increase of 97·47 per cent. in the gross assessment during the last 14 years ending 31st March 1918.

24. On 1st April 1918, the gross assessment was Rs. 7,37,81,843.

B. D. BANAJI,
Assessor and Collector.

No. M. C. 23 of 1918-19.

Bombay Municipality, 24*th June* 1918.

To

P. W. MONIE, Esq., M.A., I.C.S.,

Municipal Commissioner for the City of Bombay.

Sir,

I have the honour to submit the Annual Report on the work done by the Town Duty Refund Branch of the Revenue and Refund Audit Department during the year 1917-1918.

1. The rates of duty leviable on the various dutiable articles were the same as in the previous year.

2. As the Port Trustees and the two Railway Companies send in no Annual Reports of the town dues collected by them on behalf of the Municipality, it is usual for this office to submit the accompanying two statements A and B compiled, in so far as the gross collections are concerned, from the figures supplied by the Chief Accountant.

3. The following table compares the total results for the year under report with those for the previous year :—

Year.	Gross Revenue.	Total Refunds.	Net Revenue.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
1916-17	38,85,305 10 9	20,44,046 7 0	18,41,259 3 9
1917-18	45,55,335 2 2	23,43,240 11 0	22,12,094 7 2

4. The net revenue of Rs. 22,12,094-7-2 shows an increase of Rs. 3,70,835-3-5 over that for the previous year. It is made up of increases under the head of all the dutiable articles except Beer, in which there was a small falling off as shown below :—

Names of Articles.	Increase.	Decrease.
	Rs. a. p.	Rs. a. p.
Grain and flour	43,330 7 9	*Nil.*
Sugar	1,64,031 13 9	,,
Wines and Spirits	17,754 10 3	,,
Ghee	76,546 0 10	,,
Timber	52,481 11 3	,,
Firewood	19,976 14 0	,,
Beer	.....	,,
Total ..	3,74,621 9 10	3,786 6 5
	Net Increase Rs. 3,70,835 3 5	

LIBRARY OF THE BOMBAY BRANCH OF THE R.A.S.

5. Notwithstanding the small deficit in the revenue from Beer, the total net revenue for the year is very satisfactory, being the largest ever realized.

6. The scheme of marking sugar bags with the Municipal stamps was continued throughout the year, the total number of bags marked being 14,58,889.

7. The number of claims to refund dealt with during the year was 54,170 as against 58,212 in the previous year.

I have the honour to be,

Sir.

Your most obedient servant,

R. G. ROBOTTOM,

Dy. Assessor and Town Duty Refund Officer

Appendix A.

STATEMENT contrasting the Collections, Refunds and Net Revenue from Town Duties for the years 1916-17 and 1917-18.

NAME OF ARTICLE.	COLLECTIONS.				REFUNDS.								NET REVENUE.			
	1916-17.	1917-18.	Increase in 1917-18.	Decrease in 1917-18.	1916-17.			1917-18.			Increase in 1917-18.	Decrease in 1917-18.	1916-17	1917-18.	Increase in 1917-18.	Decrease in 1917-18.
					On account of Exports.	On account of articles supplied to Government.	Total.	On account of Exports.	On account of articles supplied to Government.	Total.						
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Grain, at annas 6 per Candy	10,86,650 15 1	13,82,173 9 4	2,95,522 10 3	....	5,24,243 3 0	....	5,24,243 3 0	7,23,822 10 0	33,692 5 0	7,57,514 15 0	2,33,271 12 0	....	4,05,490 1 1	5,39,330 8 10	43,830 7 9	....
Flour, at annas 4½ per Candy	6,115 2 0	28,715 2 6	22,600 0 6	....	73,032 13 0	....	73,032 13 0	1,13,966 6 0	86 14 0	1,14,053 4 0	41,020 7 0	....				
Sugar, at annas 8 per Cwt.	15,55,118 6 6	17,13,543 7 3	1,87,425 0 9	....	11,18,603 3 0	63,488 0 0	11,82,101 3 0	11,02,852 5 0	1,02,642 1 0	12,05,494 6 0	23,393 3 0	...	3,73,017 3 6	5,37,043 1 3	1,64,031 13 9	....
Wines and Spirits, at annas 4 per Imperial Gallon	3,04,194 0 4	3,18,752 9 7	14,558 9 3	....	28,616 1 0	1,642 13 0	30,258 14 0	23,385 5 0	3,197 8 0	27,062 13 0	...	3,196 1 0	2,73,935 2 4	2,91,689 12 7	17,754 10 3	....
Beer, at pies 6 per Imperial Gallon ..	40,701 8 5	29,811 10 0	....	10,889 14 5	17,062 0 0	60 10 0	17,122 10 0	9,162 0 0	857 2 0	10,019 2 0	...	7,103 8 0	23,578 14 5	19,792 8 0	...	3,786 6 5
Ghee, at annas 10 per Bombay Maund ..	4,54,179 11 0	5,45,538 1 10	91,358 6 10	....	1,86,364 1 0	3,509 1 0	1,89,873 2 0	1,60,225 1 0	44,460 7 0	2,04,685 8 0	14,812 6 0	.. ..	2,64,306 9 0	3,40,852 9 10	76,546 0 10	....
Timber, at 2½ per cent. on Market Value.	3,72,953 10 11	4,22,431 7 2	49,477 12 3	....	27,414 10 0	....	27,414 10 0	20,413 9 0	3,997 2 0	24,410 4 0	....	3,003 15 0	3,45,539 0 11	3 98,020 12 2	52,481 11 3	....
Firewood, at annas 2 per Candy	65,892 4 6	85,369 2 6	19,476 14 0	....	..	....	....	....	....	...	....	....	65,892 4 6	85 369 2 6	19,476 14 0	....
			6,80,919 5 10	10,889 14 5							3,12,497 12 0	13,303 8 0			3,74,621 9 10	3,786 6 5
			10,889 14 5								13,303 8 0				3,786 6 5	
Total-Rs. ..	38,85,305 10 9	45,55,335 2 2	6,70,029 7 5		19,75,396 15 0	68,650 8 0	20,44,046 7 0	21,54,297 1 0	1,88,943 7 0	23,43,240 11 0	2,99,191 4 0		18,41,259 3 9	22,12,094 7 2	3,70,835 3 5	....

R. G. ROBOTTOM.

Deputy Assessor & Town Duty Refund Officer.

Appendix B.

STATEMENT contrasting the Imports, Exports and Balance of the several articles subject to Town Duty during the year 1917-18 with those for 1916-17.

NAME OF ARTICLE.	IMPORTS.				EXPORTS AND SUPPLY TO GOVERNMENTS BY CONTRACTORS.								BALANCE (LOCAL CONSUMPTION AND STOCK).			
					1916-17.			1917-18.								
	1916-17.	1917-18.	Increase in 1917-18.	Decrease in 1917-18.	Exports.	Supply to Government.	Total.	Exports.	Supply to Government.	Total.	Increase in 1917-18.	Decrease in 1917-18.	1916-17.	1917-18.	Increase in 1917-18.	Decrease in 1917-18.
Grain, at annas 6 per Candy .. Candies	28,97,385	36,85,796	7,88,411	.....	13,97,982	.....	13,97,982	19,30,194	89,846	20,20,040	6,22,058	.....	11,82,164	12,61,191	79,027	.....
Flour, at annas 4½ per Candy.. Candies	21,743	1,02,098	80,355	.....	2,59,672	.....	2,59,672	4,05,213	309	4,05,522	1,45,850	.....				
Sugar, at annas 8 per Cwt. .. Cwts.	31,10,286	34,85,087	3,71,851	.....	22,37,326	1,26,876	23,64,202	22,05,704	2,05,284	24,10,988	46,786	.....	7,46,084	10,74,099	3,28,015	.....
Wines and Spirits, at annas 4 per Imperial Gallon .. Gallons.	12,16,774	12,75,010	58,236	.....	1,14,464	6,571	1,21,035	95,461	12,790	1,08,251	.....	12,784	10,95,739	11,66,759	71,020	.....
Beer, at pies 6 per Imperial Gallon. Gallons.	13,02,449	9,58,972	.....	3,43,477	5,45,984	1,940	5,47,924	2,92,864	27,748	3,20,612	.....	2,27,312	7,54,525	6,38,360	.....	1,21,165
Ghee, at annas 10 per Bombay Maund. Maunds.	7,26,687	8,72,861	1,16,174	.....	2,98,182	5,614	3,03,797	2,56,360	71,137	3,27,497	23,700	.....	4,22,890	5,45,364	1,22,474	.....
Timber, at 2½ per cent. on Market Value, Value Rupees.	1,49,18,147	1,68,97,258	19,79,111	.....	10,96,585	.....	10,96,585	8,16,642	1,59,885	9,76,427	.....	1,20,158	1,38,21,562	1,59,20,831	20,99,269	.....
Fireweed, at annas 2 per Candy. . Candies.	5,23,138	6,82,953	1,59,815	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,23,138	6,82,953	1,59,815	.....

R. G. ROBOTTOM,

Deputy Assessor & Town Duty Refund Officer.

PUBLIC WORKS.

No. 2058-E.G. of 1918-19.

EXECUTIVE ENGINEER'S OFFICE,
BOMBAY, 17*th June* 1918.

To

THE MUNICIPAL COMMISSIONER
FOR THE CITY OF BOMBAY.

SIR,

I have the honour to forward the Administration Report of the Department under my control for the year 1917-18.

2. The report is divided under the following heads :—

	Paragraph Nos.
Municipal Building Construction	3 - 55
Roads	56—98
Footpaths	99—105
Overbridges	106—113
Drainage	114—198
Mechanical Branch	199—281
Open Spaces	282—284
Tramways	285—287
Public Lighting	288—293
Private Building Construction	294—308
Disposal of Town Sweepings	309—315
Plague Measures	316—318
Miscellaneous Works	319—340
Schemes	341—343
General	344 - 347

MUNICIPAL BUILDING CONSTRUCTION.

Bathing Places.

3. The work of constructing a bathing place at the **Junction of Khetwadi Back Road and Khetwadi 2nd Lane** which had been entrusted to the Petty Works Contractors was completed during the year. Sites for the construction of additional bathing places are under consideration.

Markets.

4. The **extension of the Crawford Markets** which was sanctioned under the Corporation Resolution No. 5360 of 4th December 1913 had to be kept in abeyance for want of funds.

5. A sum of Rs. 20,000 was provided under **New Works for remodelling the Arthur Crawford Markets**. In this connection the intention was to improve the Beef Section and to reconstruct the poultry-house. As, however, the nature of the proposed works was such that their cost could not be properly met from the revenue allotment, the scheme was abandoned.

6. From the savings available from the funds provided for constructing a **two-seated water-closet and a six-seated urinal at the Arthur Crawford Markets,** the construction of further latrines and urinals was proposed and the work was entrusted to the Annual Repairs Contractor.

7. A sum of Rs. 8,050 was provided under New Works for constructing a **Beef Section in the compound of the Kamatipura Market** but the Corporation having decided by their Resolution No. 2361 of 12th July 1917 not to construct this section, the work was abandoned.

8. A sum of 7,400 was provided under New Works for constructing a **Market at Dhobi Talao for selling Pork.** Tenders were invited for the work on three occasions, but none was received. Efforts were also made to obtain private quotations but without success. The matter was still under consideration at the close of the year.

9. A sum of 7,000 was provided under New Works for constructing a **Market on the west side of the Musjid Bunder Station.** Tenders were invited and that of Mr. Sambhaji N. Kalewar amounting to Rs. 9,077-11-6 was accepted. The work was in progress at the close of the year. To meet the excess over the budget grant, a transfer of Rs. 2,390 was sanctioned under Corporation Resolution No. 5683 of 6th December 1917 from savings in the grant of Rs. 8,050 for constructing a **Beef Section in the compound of the Kamatipura Market.**

10. A sum of Rs. 8,368 was sanctioned under Corporation Resolution No. 6308 of 7th January 1918 for constructing **two sheds at the Bandra Slaughter Houses for the protection of animals.** Contract forms, &c., had been printed and arrangements were being made to invite tenders for the work.

11. A site admeasuring about 4,378 square yards has been agreed to be purchased from the City Improvement Trust for the proposed **Market at Chowpatti.**

Cemeteries.

12. The work of filling in a portion of the **Haines Road Cemetery** commenced last year was completed by the Contractor Mr. Abdul Karim Haji Karimbux at a cost of Rs. 5,668.

13. The tender of Mr. Kundlik Panduji Bankar amounting to Rs. 4,850 was accepted for filling in a further portion of this cemetery under the Standing Committee Resolution No. 4267 of 3rd October 1917. A sum of Rs. 5,000 was provided under New Works in the budget for 1917-18 for the purpose. The work was nearly completed at the close of the year.

14. A sum of Rs. 9,269-10-7 and another of Rs. 50,890 having been provided in the revised Loan Works estimates for the year 1917-18 for filling in the **Roman Catholic Cemetery at Haines Road** and acquiring land for extending the cemetery, tenders were invited for the work. The lowest tender of Mr. Abdul Karim Haji Karimbux for filling in a portion of the cemetery was accepted for Rs. 36,626-12-1 under the Standing Committee Resolution No. 4859 of 31st October 1917. The work is in progress.

15. The question of rights on the **Mahim foreshore** was the subject of correspondence with Government and it was hoped that a decision would be reached at an early date.

Stables.

16. The work of constructing **offices and stables for D Ward bullocks at Annesley Road** was kept in abeyance for want of funds.

17. The land on which the proposed **stables for bullocks at Mahim** are to be erected has not yet been handed over by Government to the Municipality.

18. A sum of Rs. 4,550 was sanctioned under the Corporation Resolution No. 5188 of 19th November 1917 from Surplus Cash Balance for converting a portion of the **milch cattle stable at Bapty Road** into a refuse loading depot. A part of the work has been carried out and arrangements for the remainder (conversion of the Milch Cattle into a Bullock Stable) are being made.

19. A sum of Rs. 6,401 and another of Rs. 2,859 were included in the budget under New Works for providing tar-maccadam pavement in the bullock stable and tar-maccadamizing the yard of the **stables at Agripada respectively.** As the question of the improvement of this locality is under consideration, these works have been postponed for the present.

Chawls.

20. Plans and estimates for constructing two out of the five proposed **chawls to be erected at Palton Road** were approved by the Corporation but the work could not be carried out as Government had not sanctioned the use of the land for the purpose indicated. Negotiations with the Government were going on at the close of the year.

21. The work of filling in the low-lying ground for constructing **chawls for the Health Department biggaries of F Ward** was completed at the close of the year but the final accounts were not adjusted.

22. Tenders for constructing five ground-floor chawls on the land referred to in the preceding para. were invited and the tender of Messrs. Shroff & Co., amounting to Rs. 80,500-5-10 was accepted under the Standing Committee's Resolution No. 7351 of 13th February 1918. Arrangements were being made to execute the contract at the close of the year. The expenditure was proposed to be met partly from the sum of Rs. 55,500 included in the revised Loan Works Budget and partly from the sum of Rs. 1,50,000 included in the Loan Works Budget for the year 1918-19.

23. The work of constructing one of the two **chawls for the Halalkhores at Valpakhady** was completed, but the final accounts were not adjusted at the close of the year. The work of constructing the other chawl was not taken in hand for want of funds.

24. The work of constructing a **semi-permanent chawl for the Carcass Establishment at Tardeo Flats** was completed at a cost of Rs. 8,035.

25. The work of constructing four **semi-permanent chawls for the Halalkhores of the Health Department at Tardeo Flats** was completed and the final accounts for the same were being adjusted at the close of the year. The total number of rooms provided was 104.

Offices.

26. The construction of Ward Offices and quarters for the various Municipal Departments has been kept in abeyance pending funds.

Staff Quarters.

27. Plans have been prepared for **engine drivers, firemen and oilmen's quarters at the Love Grove Pumping Station** but no funds are available.

Hospitals.

28. Plans for **European Infectious Diseases Hospital** were under preparation. Proceedings for the acquisition of land were pending before the Collector at the close of the year.

29. A sum of Rs. 4,150 was provided in the budget under new works for extending the verandah and improving the ventilation **at the Arthur Road Hospital.** Tenders were invited for the work. The tender of Mr. Mahomed Aladin Mitha was accepted for Rs. 4,419-3-6. To meet the excess over the budget grant, a transfer of Rs. 420 was sanctioned under the Standing Committee's Resolution No. 4046 of 28th September 1917, from the grant of Rs. 2,859, provided in the budget for tar-maccadamizing the yard of the Health Department stable at Agripada. The work was completed and the final accounts were being adjusted at the close of the year.

30. A sum of Rs. 3,900 was provided in the budget under new works for constructing an observation **shed at the bullock hospital at Sankli Tank.** Tenders for the work were invited and that of Mr. L. S. Mehta was accepted for Rs. 4,084-12-5 under the Standing Committee Resolution No. 4735 of 24th October 1917. As the total cost of the work was estimated at Rs. 4,400, a transfer of Rs. 500 was sanctioned under the Standing Committee Resolution No. quoted above from the grant for tar-maccadamizing the yard of the **Health Department stables at Agripada.** The work was in progress at the close of the year.

31. A sum of Rs. 4,894 was available from the grant of Rs. 20,000 provided in the budget for 1913-14 for rebuilding the wards of the **Maratha Hospital.** This was proposed to be utilized for constructing a cook-room, water-closets and washing places at the hospital. Tenders were invited for the work. The tender of Messrs. Manvantrai & Co. amounting to Rs. 9,521-8-9 was accepted. In order to curtail the expenditure, certain items were omitted from the contract. As, however, the grant was not sufficient for the works, transfers amounting to Rs. 3,850 were obtained from Surplus Cash Balance under Corporation Resolution Nos. 8135 of 19th March 1917 and 4168 of 1st October 1917. The work was completed and the accounts were to be adjusted at the close of the year.

Primary Schools.

32. Plans and estimates for the construction of **schools at Babula Tank and Dongri Street** were approved by the Corporation under their Resolution No. 3127 of 16th August 1917 and were forwarded to Government, but no reply has yet been received.

33. A piece of land measuring 2,225 square yards was acquired at Mazagaon at a cost of Rs. 37,532-5-7 to accommodate the Mazagaon Marathi and Urdu boys' schools during the year under report.

34. The construction of **schools at Mustan Tank and DeLisle Road** was deferred pending funds.

Gardens.

35. For carrying out **alterations to the Leopard cage** and constructing **enclosure for deer and antelopes**, tenders were invited in the year 1916-17. As none were received, efforts were made to obtain quotations. In response one quotation from Mr. Muncherji Byramji was received; but as it exceeded the estimated amount, a design was prepared for enlarging the dens of the lion and tiger-houses out of this provision but was not finally approved at the close of the year.

36. The work of **repairing the Victoria and Albert Museum** was completed at a cost of Rs. 4,903.

37. The work of providing a **wrought iron fence at the Victoria Gardens** was postponed as the required materials were not available. The work of **providing expanded metal to the C. I. railing** was also postponed as a portion of the garden has been included in the Improvement Trust Scheme.

38. Tenders for the work of fixing W. I. grills to the windows of the **Victoria and Albert Museum** were invited and that of Messrs. Dayabhai Vasanji and Sons, amounting to Rs. 5,740, was accepted under the Standing Committee Resolution No. 2506 of 18th July 1917. The cost was proposed to be met partly from the budget provision of Rs. 4,400 and partly by a transfer of Rs. 1,500 from savings, in the grant for the Engineer's Department, I—General Supervision and Miscellaneous Duties, 2—Establishment. The work was completed but the final accounts were not adjusted at the close of the year.

Miscellaneous.

39. Messrs. Marsland Price & Co. completed the work of renewing a portion of the flooring of the third floor of the Municipal Office Buildings.

40. The work of constructing **latrines and urinals at the junction of Trimbak Parashram Street and 2nd Pathan Street** was completed. The final accounts were being settled at the close of the year.

41. The work of providing a screen round the skinning ground **at Chembur (Kurla)** was completed at a cost of Rs. 2,826.

42. A sum of Rs. 8,980 was sanctioned under Corporation Resolution No. 8134 of 19th March 1917, to meet the cost of constructing a **shed of Corrugated iron sheets fencing, &c., at the Municipal kutchra siding at Colaba.** It was, however, decided to provide a wooden screen at an estimated cost of Rs. 3,450. The work was entrusted to the Petty Works Contractor.

43. The work of removing the health camps from the **Northbrook Garden and re-erecting them on the Morgue site** was completed at a cost of Rs. 20,309-15-6.

44. The work of painting markets and Health Department stables was completed at a cost of Rs. 15,126.

45. The foundation work of the two wards at the **Acworth Leper Asylum** was completed by Contractors Messrs. Haji Ahmed Haji Suleman & Co. at a cost of Rs. 3,087.

46. The work of providing conveniences at the **Acworth Leper Asylum** was completed by Contractors Messrs. Krishnaji Chinu & Sons at a cost of Rs. 2,861.

47. A contract for the work of constructing two wards at the **Acworth Leper Asylum** was entered into with Mr. Shams under Baluji for Rs. 56,537-3-2. The work was well in hand at the close of the year.

48. The Corporation by their Resolution No. 8110 of 19th March 1917, accepted the sum of Rs. 3,900 offered by the trustees of the late Mr. Kassambhai Valli Gangji's estate for erecting a fountain at the junction of **Sandhurst Road and Dongri Street.** Tenders for the work were accordingly invited, but as the lowest tender exceeded the amount of the

donation, the party's attorneys were requested to increase the amount of donation ; a reply was however received in the negative. A fresh design and an estimate were under preparation at the close of the year.

49. The building and repair works entrusted to the Annual Repairs Contractor during the year amounted to Rs. 86,200.

50. The work of providing covers over wells in the City was entrusted to Messrs. Ramji Keshavji & Co. for Rs. 9,213. Several works were in progress at the close of the year.

51. The work of constructing fire-proof sheds for storing petrol in the compound of the Municipal Office Buildings was entrusted to the Annual Repairs Contractor and was in progress at the close of the year.

52. The question of a fire-proof shed for storing petrol at the head-quarters of the **Fire Brigade at Sankli Tank** is under consideration.

53. The work of constructing a portion of the compound wall along the roadside of the **Haines Road Fire Brigade Station** which was entrusted to the Annual Repairs Contractor was completed and the accounts were being adjusted at the close of the year.

54. The work of shifting the fence of the **Babula Tank Fire Brigade Station** could not be carried out for want of the necessary materials.

55. In addition to the works referred to above, plans and estimates in the following cases were prepared by the Architectural Branch (works costing less than Rs. 3,000 not being included) :—

ESTIMATES.

		Estimated Amount.
	Markets.	
		Rs.
1.	Pork Market, Lohar Street	9,460
2.	Market at Musjid Bunder	8,600
3.	Additions and alterations in the existing Beef Market in the Arthur Crawford Markets	65,426
4.	Poultry House in the Arthur Crawford Markets	39,890
5.	Water-closets, urinals, &c., at the Arthur Crawford Markets...	5,000
	Underground Conveniences.	
6.	Underground conveniences at Jacob's Circle revised	26,700
7.	Do. do. opposite the Arthur Crawford Markets, revised	51,320
8.	Do. do. at Bhatia Baug	56,605
	Latrines, Urinals, and Bathing Places.	
9.	Latrines, urinals, and washing places at Cavel	10,158
10.	Do. do. at Reay Road	18,040
11.	Water-closets, &c., at the Acworth Leper Asylum, Matunga ...	4,000
12.	Latrines and urinals, at Arthur Bunder, Colaba	18,500
13.	Bathing place at Kamatipura 15th Street	3,870
	Fountains.	
14	Fountain at the junction of Reay Road and Dockyard Road ...	9,100
	Miscellaneous.	
15.	Kutchra siding, godown, &c., at Argyle Road	1,98,260
16.	Shed and bamboo fencing at Colaba railway siding	8,890
17.	Kutchra depot at Bapty Road	4,160
18.	Shed for 3 all-days-wagons, night watchmen's chowky, petrol shed, &c., at New Garden Bridge, Byculla	7,038
19.	New kutchra siding at Colaba	31,930
20.	Filling in at Love Grove Pumping Station	44,700
21.	Do. do. (further portion)...	21,020
22.	Filling-in at Naigaum tank	49,050

Miscellaneous—contd.

		Estimated Amount. Rs.
23.	Dhobighat at Mahaluxmi (40 stones)	18,750
24.	Filling in ground at Mahaluxmi, Dhobighat	79,600
25.	Carcass shed at Tardeo Flats, ...	8,900
26.	Screen wall for kutchra siding Colaba...	3,453
27.	Guinea-pig room at Sukhlaji Street	3,840
28.	Petrol sheds at Tardeo, Sankli Street, New Garden Bridge, Byculla, and Municipal Office compound	9,543
29.	New shops at Gunbow Street, Fort	5,000

Hospitals.

30.	Maternity Home at Bellasis Road	9,500
31.	Additions and alterations to the Small-Pox ward at Arthur Road Hospital	4,150
32.	Observation shed and concrete platform at Sick Bullock Hospital, Sankli Street	3,948
33.	2nd ward, Acworth Leper Asylum, Matunga (estimate upto plinth)	4,720
34.	2nd ward, Acworth Leper Asylum (superstructure)	25,354
35.	New ward at Acworth Leper Asylum, Matunga	32,530
36.	Administration block at Arthur Road Hospital	23,070
37.	Resident Medical Officer's quarters at Arthur Road Hospital...	18,500
38.	Dispensary at Souter Street	45,700

Quarters, Offices and Chawls.

39.	Semi-permanent chawls at Tardeo	57,404
40.	Parton Road scheme, chawls, &c.	7,80,600
41.	Three chawls for Halalkhores at Sukhlaji Street	57,800
42.	Labourers' chawls at Bandra Slaughter House	11,440
43.	Additions and alterations to the existing A Ward office at Mint Road	68,360
44.	Office and quarters for Inspectors of Water Works Department at Elphinstone Road	39,260
45.	Do. do. at Babula Tank	77,250
46.	Do. do. at Sankli Street	45,360
47.	Nurses' quarters at Arthur Road Hospital	29,270
48.	Chawl at 2nd Koli Lane at Colaba	14,630
49.	Mallis' chawl in the Victoria Gardens	45,900
50.	New Fire Brigade Station and quarters in Fort	1,66,580
51.	3 chawls, &c, at Arthur Road	49,070
52.	Oilmen and coalmen's 3 chawls at Love Grove	60,000
53	Quarters for engine drivers and fitters at Love Grove ...	69,140
54.	Jamadar's quarters at Bandra Slaughter House	3,000
55.	Offices for Road and Building Inspectors at Dadar	11,500
56.	Motor wagon depot at Clerk Road	1,00,450
57.	Chawls for biggaries, &c., at Dadar	39,359
58.	Semi-permanent chawl at Dadar	13,615
59.	Two chawls for biggaries and 1 chawl for halalkhores at Dadar.	66,660
60.	Five ground-floor chawls, &c., at Dadar	71,034

Cemeteries.

61.	Filling in Hindoo Burial Ground, Haines Road	5,000
62.	Filling in at Haines Road Roman Catholic Cemetery ...	99,850

Roads.

63.	Road to Pig Slaughter House at Arthur Road	4,830

Schools.

64.	Primary school at Babula Tank	2,50,888
65.	Primary school at Dongri Street	1,61,734
66.	Dispensary and school at Sandhurst Road	40,400

Stables.

		Estimated Amount. Rs.
67.	Tar macadam pavement at Agripada Stable	5,916
68.	Alterations, &c., in the stable at Bapty Road	4,550
69.	Stable and coach-house at Chinchpokli Central Stores ...	2,685
70.	Stable at Tardeo Flats	15,400

Bandra Slaughter House.

71.	Additions and alterations in the Lethal Chamber, Bandra Slaughter House	16,550
72.	Extension and alterations to the new sheep pen, chawl, &c. Bandra Slaughter House	76,900
73.	Moorum filling in at Bandra Slaughter House	51,330
74.	Cattle shed at Bandra Slaughter House	8,368

Plans.

1. Concrete flooring to the halalkhores' chawl at Valpakhady.
2. Sir Ibrahim Rahimtoola's combined School and Dispensary at Sandhurst Road.
3. Block plan showing the site for carcass establishment at Tardeo Flats.
4. Alterations to Maternity Home at Bellasis Road.
5. Scheme for the improvement of Elphinstone Road.
6. Shed for all-day-wagon at Victoria Bridge.
7. Staircase to the halalkhores' chawl at Valpakhady.
8. Revised plan for the improvement of Elphinstone Circle.
9. Enclosure round the skinning ground at Kurla.
10. Additions and alterations to the Small-Pox ward at the Arthur Road Hospital.
11. Elevation of chawl for halalkhores at Sukhlaji Street.
12. Plan of do. do
13. Toll chowky at Sion on Agra Road.
14. Washing place and water-closets for carcass establishment at Tardeo Flats.
15. Quarters for engine drivers and fitters at the Love Grove Pumping Station.
16. Pork Market at Lohar Street.
17. Observation shed and platform in post-mortem room in the Sick Bullocks Hospital at Sankli Tank.
18. Temporary market at Musjid Bunder.
19. Privies for the semi-permanent huts for halalkhores at Tardeo Flats.
20. Extension to Mutton Slaughter House at Bandra.
21. Removing partition walls and providing hanging arrangement in Lethal Chambers in beef section at Bandra Slaughter House.
22. Plan of Haines Road Cemetery for Hindoos.
23. Sheep-pen at the Bandra Slaughter House.
24. Chawls for labourers at the Bandra Slaughter House.
25. Compound gate to Health Camp at Sukhlaji Street.
26. Shops at Gunbow Street.
27. Site for water-closets and washing place for halalkhores at Tardeo Flats.
28. Section plan showing addition and alteration to beef market in the Arthur Crawford Markets.
29. Revised plan of addition and alteration to beef market in the Arthur Crawford Markets.
30. Block plan showing addition and alteration to beef market in the Arthur Crawford Markets.
31. Typical drawing showing tramway shelters at Money School, Kalbadevi, Flora Fountain and Crawford Market.
32. Urinals and dust-bin shed on Sandhurst Road near Tandel Street.
33. New wards in the Acworth Leper Asylum.
34. Compartments in the new sheep-pen at the Bandra Slaughter House.

35. Charitable dispensary at Fanaswady.
36. Washing place and urinals at Cavel Street.
37. Dispensary at Souter Street.
38. Detail of roof for halalkhores' chawl at Valpakhady.
39. Resident Medical Officer's quarters at Arthur Road Hospital.
40. Nurses' quarters at Arthur Road Hospital.
41. Administration block in Arthur Road Hospital.
42. Wrought-iron chimney to stone-crushing shed at Sewri.
43. Semi-permanent ground-floor chawls consisting of 22 rooms for halalkhores and biggaries at Dadar.
44. Chawls (ground and first floor) for halalkhores and biggaries at Dadar.
45. Proposed accommodation of 11 chawls for halalkhores and biggaries at Dadar.
46. Block plan of chawls for halalkhores and biggaries at Dadar.
47. Plan of wrought-iron grills for the windows of the Victoria and Albert Museum.
48. Plan of Roman Catholic Cemetery at Haines Road.
49. New urinals in the Lord Harris Memorial School.
50. Screen wall at the kutchra siding at Colaba.
51. Carcass shed at Tardeo.
52. Big windows at the Acworth Leper Asylum.
53. Washing place at the Kamatipura 15th Street.
54. Proposed cook-rooms for the nurses' quarters at the Maratha Hospital.
55. Temporary shed for horned cattle at the Bandra Slaughter House.
56. Details of addition to windows at A Ward office, Mint Road.
57. Porch entrance to the Acworth Leper Asylum.
58. Pavement to the Road Department biggaries' chawl at Babula Tank.
59. Half-inch detail of water-closets for the new ward at the Acworth Leper Asylum, Matunga.
60. Foundation plan of the Sir Ibrahim Rahimtoola combined Dispensary and School at Sandhurst Road.
61. Full-size detail of coping and corbel over gable in the new ward at the Acworth Leper Asylum, Matunga.
62. Half-inch detail for the temporary market at Musjid Bunder.
63. Proposed marble topped platform in the post-mortem room of the Sick Bullocks Hospital at Sankli Street.
64. Urinals and latrines at the Acworth Leper Asylum, Matunga.
65. Half-inch detail of the observation shed and platform in the post-mortem room in the Sick Bullocks Hospital at Sankli Street.
66. Details of rubble masonry pillars at the Acworth Leper Asylum at Matunga.
67. Proposed gate at the Primary School at Morland Road.
68. Details of show-case in Mr. Namdar's shop in the Acworth Leper Asylum.
69. Fire resisting carbide shed at the Municipal workshops at Foras Road.
70. Block plan of Sankli Street and Haines Road Fire Brigade Station.
71. Water-closets and washing place at Musjid Bunder Bridge Temporary Market.
72. Fountain at Rampart Row and Apollo Street.
73. Fountain at Sandhurst Road and Dongri Street.
74. Details of Toll Chowky at Sion on Agra Road.
75. Kutchra depot at Bapty Road.
76. Filling in the low-lying ground near Health Department stable at Dadar.
77. Details of the semi-permanent chawls at Dadar.
78. Details of the water-closets block at the semi-permanent chawls at Dadar.
79. Plan showing the arrangement for fixing the proposed enclosure round the skinning shed at Kurla.
80. Detail of doors and windows for the halalkhores' chawl at Valpakhady.
81. Additions and alterations to the roof of the sweepers' chawl at Sukhlaji Street.

ROADS.

Construction of New Roads.

56. In order to improve the levels and gradients of Sewri Cemetery Road from its northern end where it joins Golanji Hill Road upto its junction with Old Sewri Road, it is proposed to remove the hill over which the road passes so as to fit in with the adjacent Municipal and Port Trust roads. A portion of this hilly road, about 455 feet in length, was already cut down to the required level by Mr. Ismail Haji Kassum under an agreement by which he supplied 600 brass rubble and 2,500 brass good earth free of cost. Quotations were invited for excavating a further length of about 300 feet for supplying the Municipality with rubble stone and other materials and the tender of Mr. Keshav Gangadhar, was accepted by the Standing Committee under their resolution No. 3559 of 5th September 1917. The work was in progress at the close of the year.

57. The eastward portion of Lady Hardinge Road, constructed last year, was opened for traffic during the year.

58. To do away with the existing very steep gradients of a portion of Musjid Bunder Road lying between Kazi Sayad Street and DeSouza Street, it was proposed to lower the portion so as to give it an easy grade and thus to afford relief to loaded animals and avoid risk of accidents. A provision of Rs. 45,000 was accordingly made in the Budget and the work was taken in hand in the latter part of the year. The expenditure booked at the close of the year was Rs. 1,948-15-2.

Quarrying of Nowroji Hill.

59. In view of the considerable difficulty the Municipality has met with in obtaining road metal and other materials the Corporation under their Resolution No. 3639 of 6th September 1917, sanctioned the purchase of the right of quarrying an area of about 5,228 square yards on the north side of Sandhurst Road at Nowroji Hill, belonging to the City Improvement Trust, on the conditions *inter alia* (1) to complete the quarrying operations within three years, and (2) to pay the amount of Rs. 52,920 in thirty equal monthly instalments. Quotations were asked for quarrying and supplying different kinds of materials required by the Municipality, and the tender of Mr. W. M. Deodhar was accepted by the Standing Committee, under their Resolution No. 4614 of 17th October 1917. The quarrying operations were in progress at the close of the year.

Roads Taken over and Declared Public.

60. The following roads were taken over and declared Public:—

Name of the road.	*From whom taken over.*
2nd and 3rd Pasta Lanes.	Private Streets declared Public under Section 306 of the Municipal Act.
Dady Suntoke and Sorabji Suntoke Lanes.	Do. Do.
Mugbhat Cross Lanes.	Do. Do.
Alexandra Road.	City Improvement Trust.
Laburnum Road (between Harvey and Gamdevi Roads).	Do.

Widening of Important Roads.

61. The work of widening to 50 feet and remodelling Waudby Road with paved footpaths, trees, etc., for which a provision of Rs. 36,491 excluding drainage was sanctioned was carried out at a total cost of Rs. 36,704 causing an excess of Rs. 210 over the sanctioned allotment. An additional grant of Rs. 210 to meet this excess has therefore been applied for *vide* Standing Committee Resolution No. 817 of 1st May 1918. The land required for widening the road was granted by Government free of charge.

62. The widening of Nesbit Road from Mazagon Road to the Ollivant Bridge and Worli Road from the Post Office to the Channel was taken in hand in January 1918. The expenditure booked upto the close of the year was Rs 1,56,582-15-10 and Rs. 97,730-5-0 against the grants of Rs. 2,45,000 and Rs. 1,78,000 respectively.

63. The widening and remodelling of Mahim Bazar Road (now called Cadell Road) and Mahim Bazar Cross Road was completed during the year with the exception of the tree-planting and laying of paved steps on footways at a cost of Rs. 3,06,521 against the grant of Rs. 4,00,000 provided for the work.

Widening of Streets.

64. The expenditure on general street improvements was as follows:—

	Rs.	a.	p.
Grant made from capital	1,48,000	0	0
Expenditure	19,277	8	8
Balance available for 1918-19	1,28,722	7	4
Grant from Revenue	1,00,000	0	0
Renewed grant	40,950	11	10
Additional grant sanctioned *vide* Standing Committee Resolution No. 4277 of 3rd October 1917	25,146	12	1
Total grant from Revenue	1,66,097	7	11
Expenditure	1,59,595	15	3
Balance renewed for 1918-19	6,501	8	8

65. Thus against a total grant of Rs. 3,14,097-7-11 the total expenditure amounted to Rs. 1,78,873-7-11.

66. The following is a comparative statement of set-backs enforced during the last five years:—

Years.	Set-backs enforced.	Set-backs added.	Set-backs paid for.	Area of ground added to streets (in square yards).
1913-1914	107	92	65	9,947·53
1914-1915	65	51	104	4,652·79
1915-1916	46	56	102	8,166·56
1916-1917	84	43	55	4,365·35
1917-1918	54	33	44	5,002·32

67. The details of the area of 5,002·32 square yards shown above, together with its value are as follows:—

Ward.	Area in square yards.	Value.		
		Rs.	a.	p.
A	14·00	1,050	0	0
B	160·00	36,271	0	0
C	83·40	5,299	0	0
D	1,535·29	19,827	5	7
E	386·56	12,469	0	0
F	55·00	825	0	0
G	2,768·07	18,055	15	5
Total ...	5,002·32	93,797	5	0

68. The street widening consequent on the acquisition of set-backs was as follows:—

	Area in sq. yds.
Bazar Gate Street	6
Abdul Rehman Street	205
Do. do.	22
Parel Road (Bhendi Bazar)	15
Abdul Rehman Street	21
Dongri Street	4
Parel Road	15
Abdul Rehman Street	18
Samuel Street	53
Girgaum Road	7
Vithalwady	10
Girgaum Road	6
Kolbhat Street	33
Kalbadevi Road	2
2nd Marine Street	5
2nd Fanaswady	21
Cavel Street	226
Khetwady Main Road	122
Little Gibbs Road	12
Dungersey Road	20
Girgaon Road	36
Mount Road	400
Do.	471
Do.	348
Parel Village	218
Love Grove Road	2,534
Love Grove Pumping Station Road	492
Old Parbhadevi Road...	206
New Parbhadevi Road	574

Improvement of Private Streets.

69. Action under Section 305 of the Municipal Act was taken for the improvement of the following streets :—

(1) Roads and passages in Zaoba's Oart (fresh action).
(2) Old Hanuman 1st and 2nd Cross Lanes.
(3) Private street off Lamington Road near Hanuman Building.
(4) Private street off Charni Road.
(5) Private street off Sleater Road.
(6) Private streets at Balaram Street near Petit's chawls.
(7) Fergusson Road Cross Lane.
(8) Private Street running from Lady Jamshedji Road to Wanzawady, Mahim (Mahim Bazar Cross Lane).

70. Action for the improvement of Chinchpokli Cross Lane under Section 305 has been deferred owing to the very high prices of materials ruling at present and the difficulty of getting gas lamps and fittings in consequence of the war.

Action under Section 377 (1-*a*) of the Municipal Act.

71. The following streets were being dealt with under this Section for their filthy condition during the year:—

(1) Luxminarayen and Vatsaraj Lanes, Matunga.
(2) Moghul Gully, Mahim.
(3) Private street leading from Lady Jamshedji Road to Lady Hardinge Road past Sorab Woollen Mills.

Road Repairs.

72. The following is a statement of expenditure incurred on the repairs and maintenance of roads:—

	Rs.	a.	p.
1. Full metalling (34,00,193 sq. ft.)	2,23,540	11	1
2. Full patching (23,28,706 sq. ft)	65,150	15	2
3. Patching (small) including value of the balance of materials on site and miscellaneous works (96,58,053 sq. ft.)	1,65 894	13	9
4. Scraping and brushing	68,299	0	0
5. Repairs and maintenance of footpaths, bridges, culverts and road-side retaining walls	26,969	0	0
6. Maintenance and fencing of road-side trees	12,410	0	0
7. General repairs to tools, plants, &c.	57,363	5	2
Total ... Rs.	6,19,627	13	2

73. Much difficulty was experienced in conducting road operations on account of scarcity of labour and cartage and the deficient and unsatisfactory supply of material.

74. The demand for labour and the high prices paid therefor by contractors and others and the high prices for food-stuffs and other necessaries of life rendered the securing of adequate and efficient workmen for Municipal work increasingly difficult and the rates of pay had to be increased.

75. The extended use of motor transport will prove economical and will do much to facilitate the timely supply of material and to remove the present irregular and dilatory supply of bullock traction but owing to war conditions, the supply of motor wagons, motor sprinklers, motor sweepers and other plant cannot be arranged for.

76. The question of establishing adequate depots for the storage and supply of plant and material in the several districts of the City so as to expedite operations and minimise inconvenience and obstruction is receiving earnest attention.

77. The rate for full metalling worked out to Rs. 6-9-2 per 100 square feet or about anna one per square feet against the rates of Rs. 5-11-0 per 100 square feet and 10·98 pies per square feet respectively of the last year.

78. The increase in the rate is due to the increased rates of wages granted to the labour staff and to the increased rates of road metal and sand.

Road Foundations.

79. From the unexpended balance in the grant of Rs. 50,000 provided in the budget for 1916-17, the portions of the following roads were provided with rubble bottoming:—

	S. ft.
Portion of Home Street from its junction with Waudby Road to eastward	16,741
Portion of Ravelin Street from its junction with Waudby Road to eastward	
Palton Road	12,600
Duncan Road	14,400
Arthur Road	3,750
Girgaum Road (from Sandhurst to the southern abutment of the Kennedy Bridge)	In progress
	S. ft.
Foras Road (between Lamington Road and Falkland Road) ...	24,244
Lamington Road (between Lamington Road and Foras Road) ...	62,000
Balaram Street	10,680
Clark Road near Simplex Mill	19,500
Souter Street	4,400
Mahim Customs Road near Police Chowky...	12,940

80. The work of providing cement concrete bottoming on a portion of Frere Road which was being carried out from this grant was in progress throughout the year.

81. The total expenditure incurred amounted to Rs 38,003-4-8.

Road Excavation.

82. The following lengths of roads were opened by various agencies:—

	R. ft.
Water Department	16,901
Drainage Department...	39,773
Bombay Electric Supply & Tramways Co., Ld.	45,029
Callender's Cable and Construction Co. (for the Tata Hydro-Electric Supply Co.)	5,015
Bombay Telephone Co.	6,058
Bombay Gas Company	7,599
Total Rd. ft. ...	120,375

83. This represents about 22¾ miles of the total of about 170 miles of roads in the City.

84. The cost of repairing these excavations, including private street works, amounted to Rs. 2,85,931-14-6.

Road Watering.

85. The grant for road watering was increased from Rs. 71,000 to Rs. 96,500 for this year but owing to the rise in prices for material and labour, and more frequent watering, it had to be supplemented by Rs. 21,500 by the Corporation Resolutions Nos. 289 of 12th April 1917 and 8255 of 14th March 1918. The total expenditure amounted to Rs. 1,08,692-15-0.

86. The total number of hydrants fixed for road watering during the year was 31, out of which 13 were underground and 18 standpost hydrants.

87. Owing to the difficulty of obtaining the required castings due to the war, it was not possible to provide more hydrants which are much required for many important roads.

88. Proposals are at present under consideration for providing interchangeable bodies to several of the road motor lorries and fitting sprinklers to them for watering purposes.

Road Materials, Appliances, &c.

89. The total quantity of road materials purchased during the year and their cost were as follows: -

Description of materials.	Quantity in C. ft.	Cost.	Remarks.
		Rs. a. p.	
From Municipal Contractors—			
Metal	1,355,638	1,28,089 1 11	
Sand	251,111	22,364 8 11	
Sandstone	147,645	11,719 5 1	
Rubble stone	408,301	35,853 14 8	
Do.	21,606	1,134 5 0	From Mr. Esmail Haji Casum @ Rs. 5-4-0 per 100 c. ft.
Do.	100,146	3,254 11 11	From Mr. Keshow Gangadhar @ Rs. 3-4-0 per 100 c.ft.
Do.	60,000	Free of charge.	From Mr. E. H. Casum.
Red Hill earth	8,998	1,224 3 4	
From City Improvement Trust—			
Metal, 1½"	15,423	1,156 11 7	
Do. 1"	34,529	3,435 3 4	
Chips, ½"	207	25 14 0	
Big stone dust	1,748	131 1 7	
Stone dust	8,579	128 6 4	

90. The comparative rates per 100 cubic feet of materials for the year 1916-17 and 1917-18 were as follows:—

Description of Materials.	Rate paid in 1916-17.	Rate paid in 1917-18.	Remarks.
	Rs. a. p.	Rs. a. p.	
Municipal Contractor—			
Metal	8 11 9	9 7 9	
Sand	8 13 0	8 14 6	
Sandstone	7 15 0	7 15 0	
Rubble stone	8 3 9	8 12 6	
Red hill earth	12 0 0 Less 6 per cent.	12 0 0 21 per cent. above	
City Improvement Trust—		Rates upto 30-11-17.	Rates from 1-12-17.
Metal, 1½"	5 12 0	5 12 0	7 8 0
„ 1"	9 0 0	9 0 0	12 8 0
„ ½"	12 8 0	12 8 0	25 0 0
Big stone dust	Not taken.	7 8 0	7 8 0
Stone dust...	1 4 0	1 4 0	2 8 0

91. Two Thornycroft motor wagons were purchased from the Royal Transport Co at a cost of Rs. 23,000.

Dust Preventive Measures.

92. About 32 roads with an aggregate area of 9,64,673 square feet were painted with tar in 1 coat. About 21 roads comprising an area of about 17,21,058 square feet were painted in 2 coats, the first mixed with ½" chips and the second with metal grit.

93. The following 4 roads or portions thereof comprising an area of 2,25,278 square feet were tar-grouted :—

1. Colaba Road.
2. Mayo Road.
3. Wodehouse Road (with footpath).
4. Princess Street.

94. The cost of the tarring operations amounted to Rs. 1,21,894-12-11 exclusive of Rs. 61,488-14-1, the price of the 1,49,140 gallons of tar used.

95. The grant of Rs. 50,000 provided in the budget for providing wood pavement on Frere Road could not be utilized as wood blocks could not be obtained from the Conservator of Forests. Negotiations were, however, going on with that Officer for their supply.

Tree-planting.

96. New trees were planted on Wandby Road, Mayo Road, Esplanade Road, Gowalia Tank Road, Gamdevi Road, Lady Hardinge Road and Currey Road.

97. The number of trees planted was 370 and the certified expenditure on the work amounted to Rs. 1,559-9-0 exclusive of the cost of tree guards.

98. The condition of the roadside trees continues to improve and attention is being given to the rearing of suitable varieties in the nursery.

FOOTPATHS.

Footpaths Paved.

99. From the budget provision of Rs. 30,000 portions of footpaths along the following roads were taken up for paving with Shahabad stone slabs :—

Mayo Road between Esplanade and Cooperage Roads.
Esplanade Road round the Lady Hardinge War Hospital.
Frere Road from Seamen's Rest to Carnac Road.
Frere Road between Broach Street and Musjid Bunder Road.
Abdul Rehman Street between Carnac Road and Pinjari Street.
Girgaon Road from Carnac Road to Tadwady.
Charni Road from Grant Road to Khetwadi Main Road.
Balaram Street (west side).

100. The work was given on contract to Messrs. Sitaram Luxman & Son, and was in progress to the close of the year.

101. Besides these the following footpaths were paved from the unexpended balance in the grant for paving footpaths for the year 1916-17.

	Area in sq. ft.
Mint Road	700 (Incomplete).
Sleater Road	1,700
Pedder Road	175
Foras Road (north side)	6,732
Do. (south side)	5,030
Balaram Street (east side)	6,904
Lamington Road (between Foras Road and Annesley Road).	6,360

102. The work was carried out departmentally at a cost of Rs. 3,849-3-10.

103. Most of the kutcha footpaths in the City were put in good order and spread over with furnace clinkers.

Foopaths Formed.

104. Footpaths were newly formed at the following places, the expenditure being met from the Budget grant for repairs and maintenance of roads and footpaths :—

	Area in sq. ft.
Grant Road	2,024
Northbrook Street	1,287
Kawasji Patel Tank Road	942
Kika Street	566
2nd Bhoiwada Street	480
Bapu Khote Street	348
Falkland Road	1,030
Sandhurst Road	1,512
Dharavi Road	11,050

105. Footpaths were also formed at the following places in the process of adding set-backs to roads :—

	Area in sq. ft.
Kalbadevi Road	20
Mount Road	3,600
Do.	824
Do.	4,900
Ghorupdeo Road	1,500
Parel Village Road	480
Love Grove Road (east)	3,840
Do. do. (west)	3,300
Love Grove Pumping Station Road (east side)	6,240
Do. do. (west side)	4,200
Old Parbhadevi Road	1,190
Mahim Bazar Cross Road	8,832
Mahim Customs Road junction with Lady Jamshedji Road ...	1,488
New Parbhadevi Road	1,600

OVERBRIDGES.

106. The work of constructing the **Currey Road Overbridge** has been completed with the exception of the approach along DeLisle Road which could not be taken in hand as the B. B. & C. I. Railway Co., with whom the work has to be done conjointly, are not yet in a position to construct the overbridge at Parel Station.

107. Temporary arrangements have been made to join the **West approach to DeLisle Road** and the bridge has been opened to the public.

108. Owing to the war, the work of **Clerk Road Overbridge, B. B. & C. I. Railway**, could not be taken in hand, though the necessary land has been made available by the Municipality.

109. Almost all the properties required for the **DeLisle Road Overbridge** have been acquired either under the Land Acquisition Act or the Municipal Act. Arrangements are being made to divert the drains, sewers, water mains, gas mains, cables, etc. lying in the land into the low-level roads.

110. Estimates for the **Dadar Overbridge** were being prepared at the close of the year.

111. The properties acquired in connection with the overbridges, which were not pulled down, have been rented.

112. The certified expenditure paid by the Municipality during the year for all the overbridges amounted to Rs. 1,19,161-9-2.

113. The appeal filed in the Privy Council by Messrs. Narma Brothers in regard to the land acquired for the **Elphinstone Road Overbridge** has been dismissed with costs.

DRAINAGE.

Construction of Sewers, Drains and Public Conveniences.

114. The third section of the **Ovoid Sewer from the Junction of Lamington Road and Gilder Lane to the Junction of Charni Road and Khetwady Back Road** in connection with the **Duplication of the Tansa main**, which was entrusted to Messrs. Vithal Sayana and Co., under the Standing Committee's Resolution No. 4959, dated the 15th November 1916, was completed by them on the 29th May 1917. This section together with the 1st and the 2nd sections worked very satisfactorily during the year.

115. The total certified expenditure on the three Sections upto the end of the year amounted to Rs. 8,91,130-13-7.

116. Owing to constant complaints regarding flooding and the consequent stoppage of the tram traffic during heavy rains in Balaram Street, a **Storm-water drain in the Southern half of that Street** was constructed simultaneously with the work of the 3rd section of the Ovoid Sewer, and the work was finished before the last rains.

117. The total certified expenditure upto the end of the year amounted to Rs. 4,556-10-8.

118. All the main works at Love Grove in connection with the **Measures for Relieving the surcharging of sewers** have been completed, only subsidiary works having had to be postponed owing to the difficulty in procuring the necessary articles from England on account of the war.

119. The total certified expenditure upto the end of the year including that on the subsidiary works amounted to Rs. 17,05,172-9-0.

120. The Executive Engineer having suggested certain alterations in the Scheme for the **Sewerage of the North of the Island**, the matter was placed before the Drainage Committee of the Corporation, and it was decided to refer the matter to Mr. G. Midgley Taylor, M. Inst. C. E., for his opinion and further report. The matter is now under the consideration of that Engineer.

121 No further claims for the pieces of lands for the **Extension of the low-level Channel No. II from DeLisle Road to Dadar Road**, through which the channel was constructed under the powers reserved to the Municipal Commissioner under Section 222 of the Municipal Act, were preferred during the year.

122. The total certified expenditure upto the end of the year amounted to Rs. 2,84,489-3-7.

123. In connection with the widening of Waudby Road, **Storm-Water Drains in Waudby Road and Napier Road** were sanctioned. Tenders were invited for the work and the lowest tender of Messrs. Haji Ahmed Haji Suleman and Co., amounting to Rs. 22,725-3-8, was accepted under the Standing Committee's Resolution No. 80, dated the 4th April 1917, and the work was completed by them on the 9th June 1917.

124. The total certified expenditure upto the end of the year amounted to Rs. 21,879-14-0.

125. Owing to flooding, the construction of the **Storm-Water Drain in Victoria Road from Mount Road to the East end of the Sassoon Compound** was proposed and sanctioned. Tenders were invited and the lowest tender of Messrs. Krishnaji Chinoo and Sons, amounting to Rs. 19,743-9-0, was accepted under the Standing Committee's Resolution No. 4737, dated the 24th October 1917. The work was completed by them on the 9th February 1918, the contract date for completion being 18th February 1918.

126. The total certified expenditure upto the end of the year amounted to Rs. 16,997-11-2.

127. Owing to complaints from the residents in Thakurdwar Road regarding the bad state of the side drains and the consequent smells therefrom, a Storm-Water Drain in Thakurdwar Road between Queen's Road and Girgaum Road was proposed. Tenders were invited for the work and the lowest tender of Messrs. Krishnaji Chinoo and Sons, amounting to Rs. 18,916-0-2 was accepted under the Standing Committee's Resolution No. 4858, dated the 31st October 1917, and the work was completed by them on the 18th January 1918.

128. The total certified expenditure upto the end of the year amounted to Rs. 17,359-7-3.

129. A part provision of Rs. 15,000 was made in the Budget for 1917-18 for the work of Regrading and Covering the Old Storm-Water Drain from Foras Road to Falkland Road and constructing a Storm-Water Drain in Annesley Road. Tenders for constructing the drain in Annesley Road and regrading and covering the old drain from Annesley Road to Falkland Road were invited, and the lowest tender of Messrs. Teju Kava and Co., amounting to Rs. 14,813-11-4, was accepted under the Standing Committee's Resolution No. 4980, dated 7th November 1917. The work was completed by them on the 3rd January 1918, the ..ntract period for the completion of the work being 27th January 1918. The remaining portion of the work from Foras Road to Annesley Road will be carried out during the year 1918-19.

130. The total certified expenditure upto the end of the year amounted to Rs. 14,310-3-1.

131. Owing to the construction of many buildings and the consequent difficulties of the Health Department in attending to the large number of cesspools, it was proposed to lay 9" and 12" Pipe Sewers in the Passage off Elphinstone Road in the locality known as the "Saitan Chowky" near the Khed Tank, and funds having been voted for the same, tenders were invited for the work and the lower tender of Messrs. Krishnaji Chinoo and Sons, amounting to Rs. 23,772-4-4, was accepted under the Standing Committee's Resolution No. 4979, dated the 7th November 1917. The work was completed on the 22nd March 1918, the contract date for its completion being 7th April 1918.

132. The total certified expenditure upto the end of the year amounted to Rs. 2,442-11-1.

133. Owing to serious flooding in **Chinchpokli Road and in the portion of Parel Road between Connaught Road and the Chinchpokli Road**, it was proposed to construct a 4' Circular Storm-Water Drain in Parel Road from Chinchpokli Road to Connaught Road. A part provision of Rs. 25,000 having been made in the Budget, tenders for the Storm-Water Drain from Ulster Road to Connaught Road were invited, and the lower tender of Messrs. Haji Ahmed Haji Sulleman and Co., amounting to Rs. 25,319-5-5, was accepted under the Standing Committee's Resolution No. 6957, dated the 30th January 1918, and the work was well in progress at the end of the year. The remaining portion of the work from Ulster Road to Chinchpokli Road will be carried out during the year 1918-19, funds having been provided for the same in the Budget for that year.

134. The total certified expenditure upto the end of the year amounted to Rs. 1,119-8-4.

135. Owing to serious flooding and the widening of Currey Road, a **Storm-Water Drain with half-sized water entrances and water tables in Currey Road was sanctioned.** Tenders for the work were invited twice, but as none were received on either occasion, it was decided to have the same carried out departmentally. The work is in progress.

136. The total certified expenditure upto the end of the year amounted to Rs. 8,215-15-1.

137. Owing to the erection of new buildings and the consequent difficulties of the Health Department in attending to the numerous large cesspools in the north part of the Mahim District, a sewerage scheme for that portion was prepared, and the Corporation having voted funds for the same, tenders for laying Pipe Sewers in that portion of the Mahim District and constructing a **septic tank and a hopper near the Foreshore at Mori Road, Mahim,** were invited and the lowest tender of Messrs. Haji Ahmed Haji Sulleman and Co., amounting to Rs. 44,983-14-10, was accepted under the Standing Committee's Resolution No. 7802, dated the 27th February 1918. The work is going on satisfactorily. The contract date for the completion of the work is 17th July 1918, but the work is expected to be completed earlier.

138. The total certified expenditure upto the end of the year amounted to Rs. 129-3-3.

139. To remedy the flooding at the Junction of Kalachowky Road and Parel Road, it was proposed to construct a **storm-water drain from the junction of Kalachowky Road and Parel Road** to the high level drain in the Petit Orphanage ground. Tenders were invited for the work upto the part provision of Rs. 15,000 made in the Budget for 1917-18, but none were received. It was, therefore, been decided to reinvite tenders upto the full provision made in the Budget for 1918-19 for the whole of the work.

140. Owing to the breeding of mosquitoes, it was proposed to provide new pattern water entrances in place of the old cast iron ones. Provision having been made, the work was taken in hand first in A Ward only, and 16 new pattern entrances have been provided at the following places during the year in A Ward :—

Hornby Road, Fort Street, Frere Road, Carnac Road, Ash Lane, Esplanade Road.

141. The work having been completed in A Ward, 75 Nos. of New Pattern Water Entrances were also being provided through the agency of the Petty Works Contractors in B Ward in the District known as the Elphinstone Reclamation.

142. The total certified expenditure upto the end of the year amounted to Rs. 29,171-5-2.

143. In order to improve the drainage of the locality about Club Road, and to do away with ejector station thereat a 15" Pipe Sewer in Club Road from Moreland Road to the New Ovoid Sewer in Lamington Road was sanctioned and the work was carried out departmentally and completed on 30th November 1917. The sewage of the district now flows through the new pipe sewer direct into the new main ovoid sewer by gravitation.

144. The total certified expenditure upto the end of the year amounted to Rs. 12,521-4-0.

145. The work of **laying a temporary masonry and steel-pipe storm-water drain** in Mahim Bazar Road at its northern end was completed departmentally at a total cost of Rs. 1,845-3-11.

146. The work of providing a **covered masonry storm-water drain** in the Victoria Gardens for the effectual drainage of the Gardens was carried out through the agency of the Petty Works Contractors, at a total cost of Rs. 2,078-7-7.

147. The work of **channelling and pitching a portion of the water course No. 75 at the west of the Elphinstone Road Station** was completed departmentally at a total cost of Rs. 5,621-5-4.

148. The work of an **open and covered side drain with manholes at Lady Jamshedji Road,** Mahim, from the "Chhapra" Building to the existing drain was carried out through the agency of the Petty Works Contractors at a total cost of Rs. 4,880-11-4.

149. The work of an **open road side drain** from Dr. Dhuru's Dispensary to Mr. Chownker's premises in Portuguese Church Street, for the effectual drainage of the new buildings now being erected in that locality is being carried out departmentally.

150. The total certified expenditure upto the end of the year amounted to Rs. 332-10-6.

151. For the better **drainage and the removal of the surcharging of the sewers in the Gas Co.'s Lane at Parel,** a 9" Pipe Sewer from Messrs. Godrej & Boyce's Safe Factory to DeLisle Road Sewer through and under the G. I. P. Ry. lines and through the water course at DeLisle Road was sanctioned. The work is being carried out departmentally.

152. The total certified expenditure upto the end of the year amounted to Rs. 2,528-5-9.

153. Owing to the reclamation and the creation of a play ground for the children of the Halalkhores, **an arched Storm Water Drain with a manhole at the Tardeo Flats** was sanctioned. Tenders were invited for the works and the lowest tender of Mr. Jiwaji Kasamji, amounting to Rs. 5,304-4-4 was accepted under the Standing Committee's Resolution No. 4861, dated the 31st October 1917, and the work was completed on 15th January 1918.

154. The total certified expenditure upto the end of the year amounted to Rs. 5,209-1-7.

155. In order to do away with the open side drains, **covered Masonry Storm water Drains in the Khetwadi 7th and the 12th Lanes were proposed.** Tenders for the work were invited and the lowest tender of Mr. Ebrahim Jaffer Mistry, amounting to Rs. 9,539-5-11 was accepted under the Standing Committee's Resolution No. 4862, dated the 31st October 1917, and the work was completed on 17th January 1918, the contract date for completion being 9th January 1918.

156. The total certified expenditure upto the end of the year amounted to Rs. 5,865-6-2.

157. For the effectual drainage of the water from the gardens laid out on the eastern slope of the Malabar Hill and for the prevention of damage to the compound and the retaining walls of the Body Guards' quarters, **a Storm Water Masonry Dhapa Drain in a portion of Siri Road was sanctioned** Tenders were invited and the only tender of Messrs. Haji Ahmed Haji Suleman and Co., amounting to Rs. 7,865-6-4 was accepted under the Standing Committee's Resolution No. 4863, dated the 31st October 1917. The work was completed on the 18th December 1917, the contract date for its completion being 18th January 1918.

158. The total certified expenditure upto the end of the year amounted to Rs. 5,931-2-3.

159. Owing to great nuisance from the waste water discharging on to the public road, the work of extending the 9" **Pipe Sewer in Worli Road,** is being carried out departmentally.

160. The total certified expenditure upto the end of the year amounted to Rs. 1,861-10-7.

161. Owing to flooding a 12" (pipe) **Storm Water Drain in a portion of Currey Road near its Junction with De'Lisle Road** has been laid departmentally, as a temporary measure, until the main scheme is carried out.

162. The total certified expenditure upto the end of the year amounted to Rs. 1,062-12-9.

163. Owing to nuisance from the discharge of waste water on to the public road, the work of **laying a 6" Pipe Drain in Lohar Chawl Street at Mahim Bazar Road** was carried out through the agency of the Petty Works Contractors.

164. In connection with the work of Harbour Branch Railway Extension, the work of providing cross drains with water entrances in five streets, *viz.*, **Musjid Siding Road, Surat Street, Itola Street, Broach Street and Baroda Street** was being carried out departmentally at the cost of the G. I. P. Railway Company.

165. The certified expenditure upto the end of the year amounted to Rs. 6,240-14-10.

166. In pursuance of action taken under Section 305 calling upon the owners of certain private streets to metal, pave, drain, etc., the same, the following works were taken in hand :—

(A) Storm water drain and sewer in the passage off Fergusson Road, which was entrusted to Messrs. J. L. Mehta and Co., under the Standing Committee's Resolution No. 6556, dated the 24th January 1917, and

(B) laying 9" pipe sewer and constructing a storm-water Drain in the private street near the Meyer Sassoon Mills at Fergusson Road, which was entrusted to the Petty Works Contractors.

Both these works were in progress at the end of the year.

167. The total certified expenditure on (A) upto the end of the year amounted to Rs. 13,421-9-3 while on (B) no expenditure has been booked.

168. In order to avoid the existing circuitous route for the discharge of storm-waters and to prevent the flooding, it was sanctioned to lay a short length of **Storm-water Drain connecting Morland Road Storm-water Drain to the head Manhole of the Ripon Road Drain.** The work was carried out through the ageney of the Petty Works Contractors.

Alterations of Drains.

169. A further amount of Rs. 5,000 was provided for the work of replacement of storm-water pipes in the Colaba Sectional District by cast iron pipes, in addition to the balance of Rs. 1,798 renewed from the last and the previous year's grants. The work was taken in hand departmentally in March 1917 and was in progress.

170. The total certified expenditure upto the end of the year amounted to Rs. 64,102-2-0 out of a total provision of Rs. 67,140-4-1, sanctioned upto date.

171. The work of renewing the 15" cast iron **Sealed Sewage Main in Fegusson Road** is being carried out departmentally. A total length of 1,700 R. ft. was renewed.

172. The total certified expenditure upto the end of the year amounted to Rs. 15,589-11-6.

Maintenance of Drains.

173. No damage of any kind was done either to the sea walls or to the Biological Installation in connection with the Malabar Hill Sectional Sewerage Works during the last rains.

174. The storm-water drains in Reay Road, Connaught Road, Parel Road and Sopari Baug Road worked satisfactorily during the year.

175. There are about 118 miles of pipe sewers and the systematic cleansing of these sewers has been carried out throughout the fair season. Double discs and cleaning rods have been passed through 30·24 miles of these sewers and the silt removed therefrom amounted to 1972·88 tons or 50,219 c. ft.

176. There are 15·12 miles of ovoid main sewers. About 13·93 miles of these sewers were scraped, (the scrapers in certain portions having been dragged twice) and 312·55 tons or 7,956 c. ft. of silt removed therefrom.

177. There are 151 miles of storm-water drains out of which 39·84 miles were cleaned and 11,466·33 tons or 291,870 c. ft. of silt were removed therefrom by the miscellaneous drainage staff.

178. An extra grant of Rs. 4,000 for cleaning the storm-water drains was provided in the Budget and the work of cleaning the large storm-water drains at the following places was done at a total cost of Rs. 3,976-15-10:—

179. Argyle Road from Musjid Bunder to Elphinstone Bridge, Frere Road from Fort Street to Carnac Bunder, Sindi Lane, Khetwady Main Road to Falkland Road, 1st Pinjrapole Street from C. P. Tank to Pinjrapole Road, Erskine Road from the Junction of Duncan Road and Falkland Road to Parel Road, Bhendi Bazar.

180. There are 30 catchpits on pipe sewers and 9 on main sewers, and the silt removed therefrom during the year amounted to 3,384·36 tons or 86,147·43 cubic feet.

181. There are 450 under-ground flushing chambers to flush pipe sewers and 685 ventshafts to ventilate the sewers.

182. The work of constructing relieving arches for strengthening the old main drain in Falkland Road was carried out departmentally and completed on 16th March 1918, upto the limit of the funds provided in the Budget for 1917-18.

183. The total certified expenditure upto the end of the year amounted to Rs. 4,497-14-4 against a grant of Rs. 5,000.

184. The work of cleaning the open main drain at Worli was carried out departmentally at a total cost of Rs. 4,990-4-6 out of the grant of Rs. 5,200 provided for the purpose and the silt removed therefrom amounted to 50,897 cubic feet.

185. The expenditure on the Maintenance and Upkeep of the Open Main Drain and the Low Level Channels amounted to Rs. 2,993-14-10 against the grant of Rs. 3,000.

Ejectors.

186. The New Ejectors at Nos. III, IV and V in the Colaba Sub-Districts worked satisfactorily.

Latrines, Urinals and Night-soil Depots.

187. As the old latrines were coming in the way of the alignment of the new Railway siding at Sewri, it was proposed to provide a 20 seated latrine on the water carriage system, with a septic tank at Sewri-Koliwada. The old latrines were removed at the cost of the Port Trust. The new latrines were constructed at Municipal expense. Tenders were invited for the work and the lowest tender of Messrs. Haji Ahmed Haji Suleman and Co., amounting to Rs. 14,806-4-8 was accepted by the Standing Committee under their Resolution No. 622, of 25th April 1917. The work was completed on 16th July 1917 at a total cost of Rs. 13,468-5-11, the contract date for completion being 22nd July 1917.

188. Owing to the very insanitary condition of the Dharamsala at Falkland Road on account of the privies thereat being in a defective state, the work of the conversion of the old pattern privies and constructing four seated latrines on the water carriage system and two washing places with standpipes in the compound of the Dharamsala was entrusted to the Petty Works Contractors and was completed by them during the year.

189. The work of conversion of old pattern latrines and urinals into new pattern ones was carried out at the following places departmentally. One of them was completed during the year and the other two were in progress :—

Particulars.	Estimated amount.	Expenditure upto the end of the year.	Remarks.
	Rs.	Rs. a. p.	
Removing the existing 6 seated Torfit pattern urinal and constructing a 6 seated flushing system trough pattern urinal at the junction of Parel Road Cross Lane and Parel Road near the Byculla G. I. P. Ry. Goods Yard.	2,260	1,919 14 4	Completed.
Removing the 6 seated Torfit pattern urinal and constructing a 4 seated trough pattern urinal at the junction of Tulsi Pipe Road and DeLisle Road.	1,617	218 13 1	In progress.
Constructing a 2 seated latrine on the water carriage system at the junction of Tulsi Pipe Road and DeLisle Road.	1,379	.....	Do.

House Gullies.

190. As per the advice of the Municipal Solicitors, the work of removing the existing open drain and providing a 6" pipe drain connecting the house drainage fittings of the premises having an interest in the common house gully between (*a*) Abdul Rehman Street, Sarang Street, North of Janjikar Street and South of Bhajipala Street and (*b*) Bhajipala Street, Memanwada Road and Nagdevi Street was carried out departmentally at the expense of the Municipality under Section 233 of the Municipal Act.

191. The total certified expenditure upto the end of the year amounted to Rs. 2,494-4-7 and Rs. 1,338-13-3 respectively.

Street and House Connections.

192. The street portions of the house drainage connection works in the City were carried out departmentally during the year, 247 connections being made at a total cost of Rs. 12,235-9-10. These connections serve 254 premises, of which 244 are drained on the closed system and 10 on the open drainage system.

193. In addition to the above, 162 storm-water connections were made at a total cost of Rs. 7,738-10-6.

194. Several branch drains were laid for bringing certain undrained premises within 100 feet of the Municipal sewer, as required by Section 231 of the Municipal Act. About 78 estimates and 340 plans were prepared with a view to the issue of Notices under Sections 230, 231, 233, 238 and 260 of the Municipal Act.

Miscellaneous.

195. Works to the extent of about Rs. 1,06,178 including repairs, alterations and cleaning of sewers and drains generally and making minor additions thereto, and the drainage arrangements of the various Health Camps, etc., as also all new drainage works provided for in the Budget for 1917-18 were carried out during the year. Out of these, works costing Rs. 74,789 were carried out departmentally, and the rest were executed through the agency of the Petty Works Contractors.

196. 21 manhole frames and covers over storm-water drains were provided in Princess Street, Kalbadevi Road and Argyle Road.

197. The total certified expenditure upto the end of the year amounted to Rs. 2,440-2-6.

198. A new type of improved concrete covers for water entrances was introduced three years ago, and it has proved satisfactory for the effectual closing of these entrances during the fair season and thus preventing the breeding of mosquitoes. The total number of such covers fixed is as under, the cost having been met out of the Miscellaneous Grant:—

		Nos.
A	Ward	867
B	„	130
C	„	93
D	„	111
E	„	104
F	„	95
G	„	34
	Total Nos.	1,434

MECHANICAL BRANCH.

Municipal Workshops.

1917-18.

199. The following are the particulars of expenditure incurred during the year for departmental and private works, executed at the Municipal Workshops, for shop and supervision charges, tools and repairs to machinery, buildings, &c.:—

	Rs. a. p.	Rs. a. p.	Rs. a. p.
For Departmental Works—			
Labour	86,528 15 7		
Stores	1,39,8?5 14 9		
Piece-work, cart-hire, &c	1,169 13 0		
		2,27,524 11 4	
For Workshops Stores—			
Labour	1,287 4 10		
Stores	5,557 13 2		
		6,845 2 6	
			2,34,269 13 4
For New Municipal Workshops—			
Labour	1,551 10 9		
Stores	2,418 3 6		
		3,969 14 3	
			3,969 14 3
For Shop Charges—			
Labour	6,506 7 0		
Stores	15,600 8 1		
Piece-work, contingencies, &c.	85 0 0		
		22,191 15 1	
For Supervision Charges, Establishment, Rent, &c.—			
Establishment	14,724 1 1		
Piecework			
Repairs to buildings	15 9 7		
Rent paid to Government...	6,648 0 0		
Contingencies	1,039 9 1		
		23,427 3 9	
Total Expenditure for working the Shops ...			44,619 2 10
Total Expenditure during 1917-18			2,82 858 14 5

		Rs. a. p.
200.	The total expenditure during 1917-18 on account of Departmental Works, &c.	2,27,524 11 4
	For Workshops Stores	6,845 2 6
	For fixing machinery in the 1st and 2nd Sections of the New Municipal Workshops	3,969 14 3
	Supervision, tools, shops and repair job charges, &c.	57,442 7 3
		2,95,782 2 10
	Add—Amount of incomplete jobs at the beginning of the year 1917-18	4.069 10 3
		2,99,851 13 1
	Deduct—Amount of incomplete jobs at the end of the year 1917-18	6,240 5 2
	Thus the total amount of the bills prepared by the Workshops in the year 1917-18 was ...	2,93,611 7 4

201. Percentage of Supervision, Shop, Repair Charges, &c.—

	Rs. a. p.	Rs. a. p.
The actual charges for the general working of the shops...		22,191 15 1
For rent and supervision		22,427 3 9
For purchasing Air Compressors from the Water Works Department		600 0 0
		45,219 2 10
The amount recovered on account of the abovementioned expenses by charging the fixed percentage of 25 per cent. on the cost of works executed at the shops ...	55,637 1 8	
The difference between the actual cost of working the Municipal pumping engine *plus* 25 per cent. for shops, supervision, repairs, &c., and the fixed charges at which it was lent on hire to private parties and departmental works	805 5 7	
The amount realized by sale of saw-dust, coal ashes and unserviceable articles, &c. ...	15 0 0	
The balance in favour of the Workshops was therefore		12,238 4 5
Total ... . Rs.	57,457 7 3	57,457 7 3

202. The following are the principal items of new works completed during the year :—

Description of Works.	Amount. Rs.	a.	p.
Making (4) W. I. tanks for kerosine oil stores, shed and fixing wing pumps for the Stores Department ...	2,941	3	0
Making a van body and fittings, etc., for 3½ signal Motor wagon for Market Department	1,299	5	8
Supplying (250) jungiewood fish benches to the Market Department	659	1	0
Making (5) wooden hand carts for the Road Department	864	3	2
Making office furniture for the Assessment Department ; cupboard, tables, chairs and stools, etc.	1,070	5	4
Erecting Dr. Blaney's statue at Cruickshank Road	561	4	1
Removing and reconstructing the stone crusher together with engine from Nowroji Hill Road to the position pointed out by the Road Inspector, B Ward...	1,087	1	7
Making one compartment in the Game Birds' enclosure in the Victoria Gardens	761	10	10
Repairing the mangers in the B Ward Stables, Pultan Road	452	3	3
Repairing sundry articles from the Arthur Road Hospital	621	5	5

203. Works completed which were commenced in the previous year :—

Description of Works.	Amount. Rs.	a.	p.
Converting (4) N. P. hydrants into (28) H. P. hydrants	816	7	6
Do. (23) do. do. (46) do. do.	1,339	4	5
Erecting machinery in the Fitting and Machine Shops, etc., in the new Municipal Workshops at Foras Road.	3,262	6	9
Erecting tyre furnace and shed at the new Municipal Workshops	4,782	11	9
Repairing painting and polishing furniture from the Maratha Hospital	455	6	5
Preparing Allday Motor Wagon No. 90 for Meat Service	2,949	0	8
Removing the sterilizer shed from the Northbrook Gardens to the Old Morgue site at Sukhlaji Street ...	1,295	0	9
Repairing one of the big entrance gates of the Victoria Gardens	504	13	0
Painting all water tanks and stands in the City	709	14	1
Working two pulsometer pumps with boilers for emptying Government wells on the Esplanade Maidan for the Executive Engineer, Presidency	1,845	0	0
Supplying (75) notice boards with parts for preventing squatters on the Road for Markets in the City ...	1,507	14	5
Removing the stone crushing plant at Babula Tank and re erecting the same at Sewree Depot... ...	700	1	5
Making alterations to the Lethal Chamber at Pardeo Flats	712	5	0

204. The following are the principal items of new works which were in progress but were not completed before the close of the year :—

Description of Works.	Estimated cost. Rs.	a.	p.	Expenditure up to 28th February 1918. Rs.	a.	p.
Reconstructing and improving stone-crushing machine at Sewree...	3,868	8	10	2,410	11	6
Repairing doors of the Erskine Road Market	700	0	0	525	4	8
Making (3) wooden cages in the Victoria Gardens	835	4	0	717	11	3
Constructing (2) meat vans for Market Department	962	8	0	910	13	10
Supplying (7) W. I. tanks for storage of oil and altering water carts for carriage of kerosine oil	2,750	0	0	2,967	6	1
Converting (19) N. hydrants into (38) H. P. hydrants	1,400	0	0	1,349	1	10

205. In addition to these works the workshops have continued to keep in repair the rolling stock of the Health, Road and Drainage Departments, the machinery of the Love Grove Pumping and Compressor Stations, the Colaba Compressor Station, machinery of the Love Grove Outfall Works, the Ejector Stations in the Parel, Mazagaon and Colaba Districts, steam rollers, stone crushing machines, fire engines, motor refuse wagons, inspection motor cars and the motor meat vans of the Market Department, etc.

206. On account of the work carried out during the year being in excess of anticipations, the grant for Stores had to be supplemented by a temporary advance of Rs. 45,000 from the Surplus Cash Balance, sanctioned under Corporation Resolution No. 8245 of the 14th March 1918, pending recoveries for the several works. It was also necessary to supplement the grant for clothing to peons, etc., by transfer Rs. 32-14-0 from savings in the grant for repairs to buildings for increased rate for the clothing which was sanctioned under Standing Committee's Resolution No. 4990 of 7th November 1917.

207. Owing to considerable delay in finding a purchaser for the Old Workshops building and the time taken by Government to finally remove the structure, it was necessary to provide for additional rent for the site. This was met by an advance of Rs. 6,548 from Surplus Cash Balance which was sanctioned under Corporation Resolution No. 6287 of 7th January 1918.

208. The Government is being communicated with and efforts are being made to recover part of this money.

209. The workshops are not completed owing to the inability of Messrs. Macbeth Brothers to deliver machinery contracted for.

210. As it is practically impossible to obtain motor spares from England, the Workshops have manufactured all the spares necessary to keep the motors running.

211. Owing to the large number of motor lorries it will be necessary at an early date to provide additional accommodation for motor repair work.

212. The necessity of providing an iron foundry at the Workshops is growing and this will have to be provided for in the next Budget.

Love Grove Pumping Stations.

213. The beam engine in No. 2 pumping station worked fairly satisfactorily during the year.

214. Great trouble was, however, experienced with the suction and delivery frames in the pumps.

215. Practically all the frames have been broken due principally to the acid nature of the sewage which attacks the brass liners on the frames and makes them loose.

216. Five new delivery and two new suction frames of a stronger design have been manufactured and fitted. These seem to be giving good results.

217. The condenser of No. 3 engine cracked whilst starting. Repairs were rapidly executed and the condenser put in commission.

218. The new plungers chamber for No. 2 pump has not been received from England.

219. An air vessel and connection have come to hand and will be fitted at an early date.

220. The short diversion which was fitted to the left hand barrel of the outfall pipes is still in use allowing the pumps to be worked on the low outfall all the year. It was found necessary to assist the pumps in the new pumping station by the old Worthington pumps in No. 1 station for an aggregate period of 5,997 hours. Whilst during the monsoon it was necessary to work the total maximum of six engines for a period aggregating 1,102 hours.

221. The combined total number of revolutions of all engines in No. 1 station was 8,284,984 and in No. 2 station, the total was 31,274,814. The sum total of these equals 39,559,798 against 27,115,126 in the preceding year. This increase is due to—

(1) Increased amount of sewage and storm-water pumped.

(2) Impaired efficiency of the pumps in No. 2 station due to broken frames.

(3) The non-arrival of valve faces from England.

222. Although many substitutes for the English valve faces have been tried, none have proved really satisfactory.

223. Compressed fibre valve faces were manufactured in the Workshops and although they proved very efficient when new, the short life did not satisfy their permanent adoption.

224. About 1,000 lbs. of valve faces ordered from England through Messrs. Turner Hoare & Co. have now been shipped and will be fitted as soon as they arrive.

225. The boilers have given no trouble.

226. All tubes and drums have been thoroughly cleaned and scraped ready for the monsoon.

227. Coal received during the year was of varying quality. The following shows the total quantity of coal consumed during the year with the average rates of coal of different description per ton :—

Description of coal.	Tons.	Average rate.
		Rs. per ton.
Bhalgora rubble	1,350-7-2-0	„ 17-4-2·13
Bhalgora steam	3,774-11-2-4	„ 20-4-11·65

228. The average cost per ton of coal was Rs. 19-8-1 against Rs. 19-6-5/5 in the previous year whilst the daily consumption was 15 tons 16 cwts. 2 qrs. and 18 lbs. against 12 tons 8 cwts. 3 qrs. and 11 lbs. in 1916-17.

229. This increase is due to the increased revolutions of the pumps and also to the inferior quality of coal supplied.

230. Much trouble was experienced in getting regular deliveries of coal due to shortage of wagons whilst rubble coal suited for mechanical stokers could not be obtained owing to the action of the Coal Controller. The steam coal used gave a large amount of clinkers and ash causing occasional jamming of the stokers.

231. During the fair season all the pumps in No. 2 station have been overhauled. In No. 1 station pumps Nos. 2 and 3 have been overhauled and completed. No. 4 is well in hand. No. 1 pump is used as a standby.

232. Trouble has been experienced in the screen house owing to the rapid corrosion of screen chains and dredger gear. One new chain has been fitted to the screen and although more are needed, they cannot be obtained from the makers. We consequently have to manufacture these from old chains and inferior steel obtainable in the local market.

233. As much as 275 tons of detritus have been recovered from the screening chamber in one week.

234. Sickness has been very prevalent amongst the labour which even in the best of seasons is hard to obtain in the district.

235. Owing to the war no progress could be made with the following sanctioned works :—

(*a*) Extension of the bucket and band conveyors.

(*b*) Removal and reconstruction of the retaining wall.

236. Mr. Jordan continues as Acting 1st Engineer in place of the late Mr. Gordon Cable who died on Active Service.

237. The war has prevented progress being made in the scheme for additional pumping plant.

238. The work of constructing a glazed porch in front of the main entrance of the new engine which was commenced last year under the supervision of the Drainage Department was completed during the year.

Love Grove Compressor Station.

239. The compressor station machinery gave satisfaction during the year. All compressors have been overhauled and are ready for monsoon.

240. In the compressor station there is no reserve of boiler power when coal of a poor quality such as we are now receiving has to be used.

241. At times it is difficult to raise a sufficient head of steam to keep the compressors running at the speed necessary to maintain the required air pressure.

242. The combined number of revolutions run by No. 1 and 2 (large) compressor engines was 37,430,953 whilst the revolutions of No. 3 and 4 (small) compressor engines amounted to 57,491,734 during the same period. The previous year's totals were 31,339,130 and 60,441,040 respectively.

243. As the small engines are half the capacity of the large, the net increase in revolutions during the year on the basis of a large engine as compared with the previous year was 4,617,170.

244. This increase is due to the additional amount of sewage pumped by the ejectors and the higher speed of the engines necessary to maintain the pressure.

245. The following shows the total quantity of coal of different descriptions consumed during the year together with the average rates per ton.

Description of coal.	Tons. Cwts. Qrs. Lbs.	Rate per ton.
		Rs. a. p.
Bhalgora Rubble	1,470 12 2 0	17 6 5·9
Deshavgher „	225 0 0 0	19 13 1·44
Bhalgora Steam	3,256 15 2 3	20 4 1

246. The average rate per ton for all these descriptions of coal was Rs. 10-10-4·48 against Rs. 18-15-2 in the previous year and the daily average consumption 12 tons 7 cwts. 2 qrs. 11 lbs. against 11 tons 17 cwts. 2 qrs. 12 lbs. in the previous year.

247. This increased consumption was due to the increased revolutions of the compressors and also to the poor quality of the coal used.

248. No serious accidents have occurred to the plant during the year.

249. Each engine has in turn, had all wear and tear repairs carried out and the whole is in good running condition.

250. Throughout the year it has been extremely difficult to obtain labour owing principally to the onerous conditions under which the men work, prevalence of sickness and the present abnormally high rates of pay now obtainable in the mills, etc.

251. It was necessary to make the following transfers to meet the excess expenditure due to the cost of coal :—

Rs. 1,000 From the grant—1 General Supervision and Miscellaneous Duties, 2 Establishment.

„ 12,000 From the grant—II Mechanical Branch, C Maintenance of Love Grove Pumping Station, 2 Fuel.

„ 5,000 From the grant—V Street and Buildings, A Inspection and Supervision, 2 Purchase of New Survey Sheets of the Town and Island of Bombay, including the cost of maintaining them and purchase of steel cabinets for survey sheets.

„ 4,000 From the grant—V Street and Building, B Public Lighting, I Gas Lighting, A Street and Bunders, etc.

Rs. 22,000

252. The work of renewing the worn 15" cast-iron sealed sewage main in Ferguson Road, which was commenced under the supervision of the Drainage Department, was in progress at the close of the year.

Colaba Air Compressor Station.

253. No troubles were experienced until the latter part of the year, when four armatures of the electric motors broke down. The cause was due to the insulation becoming dry and brittle and finally breaking down through ordinary wear and tear.

254. These were repaired by Holland & Co., Engineers, at a total cost of Rs. 1,010.

255. The breakdown of the motors necessitated the use of the steam plant which consumed altogether 65 tons of coal.

256. During the year electric units were consumed at a total cost of Rs. 24,520-5-2.

257. Two pinions were purchased from Messrs. Brady & Co. at a cost of Rs. 970.

258. As it is now impossible to purchase these in the market, two spares are being manufactured in the Workshops.

259. All the three compressors are in good condition.

260. The revolutions of the compressor engines were as follows :—

No. A	Compressor	Engine	...	31,023,500	Revolutions.
„ B	„	„	...	26,591,550	„
„ C	„	„	...	4,250,482	„

261. The total revolutions were 61,865,532 against 60,742,962 in 1916-17.

262. The ejectors worked from this station did not give much trouble.

263. No. 1 ejector, however, is now working at its maximum capacity and will have to be enlarged or replaced.

264. The total quantity of sewage pumped by these ejectors was 601,380,500 gallons against 617,961,000 gallons in the preceding year.

Ejector No. 1	191,032,500
„ „ 2	149,844,000
„ „ 3	155,909,000
„ „ 4	86,606,500
„ „ 5	17,988,500
Total gallons ...	601,380,500

	Revolutions.
Ejector A	31,023,500
„ B	26,591,550
„ C	4,250,482
Total ...	61,865,532

Ejectors.

265. The various ejectors in the Parel, Chinchpokli, Agripada, Malabar Hill and Mazagon districts have worked fairly satisfactorily during the year.

266. With the completion of the new drain in Club Road, the ejector in this district has been permanently closed down.

267. The ejectors at Tank Bunder, Arthur Road, Ferguson Road and Elphinstone Road give occasional trouble and will have to be enlarged or replaced before very long.

268. Two Stereophagus pumps and motors have arrived and will be installed in a suitable position as soon as possible.

269. All ejectors have been overhauled and air mains inspected and repaired.

270. Owing to the increased consumption of water in Bombay, the amount of sewage pumped by the ejectors has greatly increased.

Storm-water Sluices.

271. The storm-water sluices at Love Grove and Worli have been repaired and maintained in a good condition. Several chains, snatchblocks, etc., have had to be replaced owing to the excessive corrosion caused by the sulphur in the atmosphere of these parts. At the beginning of the monsoon great trouble was experienced in opening the Love Grove Sluice gates due to a large accumulation of silt having been formed against them.

272. The Fire Brigade attempted to remove the silt but were unsuccessful and it was not until the Drainage Department put on a large amount of labour that the gates could be opened.

273. The flow of the released water then cleared a channel for itself.

274. It is expected that the new wall which has been built across the mouth of the channel will prevent the recurrence of this trouble.

Inspection Motor Cars.

275. The mileage run by Motor Cars Nos. 1674, 1675, 1676 and 2126 for the respective use of the Health Officer, the Deputy Executive Engineer, Drainage, the Executive Engineer and the Deputy Executive Engineer, Mechanical Branch, and by the Supernumerary car No. 2276 is as follows:—

No.	1674	7,632	Miles.
„	1675	7,608	„
„	1676	3,096	„
„	2126	6,248	„
„	2276	4,616	„
	Total ...	29,200	Miles.

276. The above total shows an increase of 2,510 miles on the total of the previous year.

277. The cost of maintaining the Inspection cars inclusive of establishment upto the close of the year was Rs. 9,393-0-0.

278. This is equal to an average running cost of 5·14 annas per mile as compared with 5·53 annas per mile in the year 1916-17.

279. There is an excess over the budgetted amount of about Rs. 3,000.

280. The excess in the grant is due to (1) the repairs carried out to the Executive Engineer's car No. 1676, at a cost of Rs. 1,429-8 0 by the French Motor Car Company as sanctioned by the Standing Committee Resolutions Nos. 4457 of 10th October 1917, and 7604 of 22nd February 1918 and to (2) the rise in the prices of stores especially petrol, cost of which is Rs. 1-12-6 per gallon against Rs. 1-2-4 per gallon last year.

281. With the exception of No. 1674, all the vehicles are in good running condition.

OPEN SPACES.

Existing open spaces.

282. The following is a statement of the existing open spaces in the City belonging to the Municipality :—

	Area in square yards.
A WARD.	
1. Junction of Bazar Gate Street and Mint Road—	
Acquired for a Fire Brigade Station. At present temporarily let to Military Depot	1,912·00
2. King Lane (between houses Nos. 255-257 and 263-265)—	
Used as a Road Department Depot	73·00
3. Two plots at Bhoiwar Lane near Cawasji Patel Street junction—	
Acquired for extending the road. Now vacant	32·30
4. Plot in front of Custom House Road—	
Partly occupied by a Police Chauki, urinal and stand-post and partly used as a Road Department Depot	2,813 00
5. Junction of Cruickshank Road and Council Road—	
Acquired for Municipal Office extensions ; leased to the Indian Defence Force	3,612·00
6. Colaba Causeway, opposite Arthur Bunder—	
Partly used as a Road Department Depot and partly vacant	840·00
7. Ghoga Street near Cawasji Patel Street junction—	
Used as a recreation ground	504·95
8. Homji Street, near Store Lane junction near Shipping Office—	
Used as a Road Department Depot	150·00
9. Open space near Gun Carriage—	
Partly used by Health Department for temporary sheds and night-soil depot, and partly vacant	5,142·00
10. Ormiston Street behind Bombay Electric Supply and Tramways Company's premises—	
Used partly as a Road Department Depot, partly for Motor Garage and partly temporarily leased to Weslyen Church for Active Service Huts	3,500·50
11. 2nd Pasta Lane, West end—	
Partly occupied by latrines and partly vacant	237·59
12. Victoria Place—	
Originally known as Bhattia Baug	4,406·09
13 Elphinstone Circle Garden	12,024·00
B WARD.	
14. Musjid Station below Musjid Bridge, South—	
Used as a Road Department Depot and partly occupied by the market under construction	849·00
15. Mazagon Road near Valpakhadi, below Hancock Bridge—	
Vacant land (enclosed by the bridge and the 48" new water main laid from the Bhandarwada Reservoir)	405 00
16. Piru Lane—	
Acquired for widening Piru Lane, now vacant	2,603·00
17. 1st Umerkhady Row—	
Purchased for the extension of the Row. Now vacant	113·00
18. 2nd Umerkhady Row—	
Land left after making the road. Now vacant	44·30
19. Junction of Wari Bunder Road and Mazagon Road, below Hancock Bridge—	
Used as a Road Department Depot	1,041·90
C WARD.	
20. Junction of Abdul Rehman Street and Agiary Cross Lane—	
Land left after widening the road. Proposed to be let on a short lease. Now vacant	735·00
21. Chandanwadi Open Land near Night soil Depot—	
Used as a Road Department Depot	1,536·83

		Area in square yards.
22.	Cavel Street, junction with Girgaum Road— Used as a Road Department Depot	253·00
23.	Cavel Street, junction with Girgaum Road near Fire-wood Depot— Reserved for building a combined water-closet and urinal. Now vacant.	116·50
24.	Duncan Road, near tram pole No. 40F— Used as a Road Department Depot	163·00
25.	Hamalwadi (near the Water Works Chowki) East of Wadia's Agiary— Used as a Road Department Depot	103·90
26.	Hamalwadi, junction with Trinity Street— Used as a Road Department Depot	253·27
27.	Hamalwadi, central portion between Girgaum Road and Trinity Street— Proposed to be thrown in the roadway. Now vacant	638·00
28.	Mumbadevi Road, East of Drinking Fountain— Partly used as a Road Department Depot and partly as a recreation ground	377·43
29.	Princess Street junction with Queen's Road, South of Hindu Burning Ground— Used as a Road Department Depot	276·00
30.	Queen's Road junction with Princess Street and West of Mogul Burial Ground— Used as a Road Department Depot	960·00
31.	Northbrook Gardens (being converted into a play ground)	13,827·00
	D WARD.	
32.	Arthur Road, West of B. B. & C. I. Railway line from level-crossing Southwards to near the culvert over the old main drain— Occupied by temporary halalkhore huts	17,978·00
33.	Arthur Road, near culvert over old main drain— Used as a Road Department Depot	976·00
34.	Bellasis Bridge low-level road, North— Used for storing drainage pipes	9,260·00
35.	Clerk Road, South, near Tardeo Road Junction— Used as a Road Department Depot	6,666·00
36.	Hammer Lane, South of archway of Kennedy Bridge— Used as a Road Department Depot (A portion measuring about 116 square yards has been surrendered to Government)	368·00
37.	Little Gibbs Road, South-West of Malabar Hill Reservoir— Used as a Road Department Depot	2,809·00
38.	Nepean Sea Road, opposite Mount Nepean Road— Partly used as a Road Department Depot and partly occupied by Police Chowki	301·00
39	Junction of Nepean Sea Road and Narayen Dabholkar Road— Partly occupied by a Road Department Depot and partly by a Police Chowki and partly as a dust-bin stand	656·00
40.	Queen's Road opposite Charni Road Station— Used as a Road Department Depot	364·00
41.	Tardeo Flats bounded on the North by Clerk Road, on the West by the main drain and approach road, on the East partly by the property of the B. B. & C. I. Railway and Municipal land and on the South by private properties— Small areas occupied by halalkhore huts, cattle hospital, trip marker's chowki, katchra siding platform and the rest is vacant	1,20,355·00
42.	Hanging Gardens at Malabar Hill	55,648·67
43.	Bandstand at Chowpatti	1,772·00
43A.	50 feet of land on either side of the old main drain from Bellasis Road to Clerk Road	39,727·00
	E WARD.	
44.	Annesly Road junction with Lamington Road— The low-lying ground has been filled in with road scrapings and is proposed to be occupied by Health Department stables. At present used for stacking road materials	10,094·00

	Area in square yards
45. Junction of Arthur Road and DeLisle Road, North of the Hospital— Used for storing plague camp stores and for temporary health camps, &c.	32,554·00
46. Bapty Road Junction with Trimbak Parashram Street— Used as a Kutchra Depot and Health Depot stables and proposed site for the erection of incinerators and beggaries' chaw's	8,720·00
47. Bellasis Road (North of the bridge and East of the B. B. & C. I. Railway)— Acquired in connection with surface drainage works and leased to a private party	1,631·00
48. Junction of Garden Bridge and Parel Road (in the curve of the eastern approach of the Garden Bridge)— Used as a Road Department Depot	1,115·00
49. Junction of Garden Bridge and Parel Road (in the curve of the western approach of the Bridge)— Used as a Road Department Depot	706·00
50. Duncan Road Cross Lane— Used as a Road Department Depot	395·78
51. DeLisle Road at its junction with Haines Road— Partly used as a Road Department Depot and partly for stabling carts ..	519·00
52. Junction of DeLisle Road and Clerk Road— Partly used as a Road Department Depot and partly stabling carts ...	516·00
53. DeLisle Road North of Sheep Market and near its junction with Arthur Road— Used as a Road Department Depot	636·00
54. Duncan Road (Old site of Fire Brigade Station)— Used as a Road Department Depot	61·33
55. Junction of Foras Road and Falkland Road (North side)— Used as a Road Department Depot. A part being reserved as a lawn. Area of Police chowki is excluded	1,059·00
56. Junction of Foras Road and Falkland Road (South side)— Used as a Road Department Depot. Area of the fountain excluded ...	1,167·00
57. Kamathipura 7th and 8th Streets— Acquired for Health Department chawls, now leased as a Firewood Depot	180·00
58. Lamington Road on the West and North of Gilder Lane — Formerly a water course ; at present a portion is leased as Firewood Depot and the rest is lying vacant	2,666·00
59. Lamington Road, East (near Junction with Gilder Lane)— Formerly a water course ; now being filled in	2,450·00
60. Mount Road, Angirwadi— Acquired for the extension of Mahomedan Burial ground ; now let for cultivating grass	4,155·00
61. Junction of 2nd Peerkhan Street and 1st Peerkhan Street— Used as a recreation ground. Received from City Improvement Trust...	2,819·00
62. Junction of 2nd Peerkhan Street and 1st Peerkhan Street— Used as a Road Department Depot. This has been taken on lease from City Improvement Trust	1,150·00
63. Junction of Reay Road and Dockyard Road— Acquired for erecting disinfecting stables of the Health Department at present used as a Road Department Depot	500·00
64. Junction of Reay Road and Coppersmith Street - Will be absorbed in Reay Road when widened to 90 feet ; at present used as a Road Department Depot	157·00
65. Junction of Reay Road and Gunpowder Road— Used as a Road Department Depot	796·00
66. Junction of Reay Road and D'Lima Street, South of N. S. Rozorio Church— Used as a Road Department Depot	170·00
67. Sankli Street, near junction with Clare Road— In the compound of E Ward Offices; used as a Road Department Depot.	2,617·00

		Area in square yards.
68.	Stable Street near Kamathipura 10th Street— Used for stacking Health Department carts	325·00
69.	Bhandarwada Reservoir Gardens	9,600·00
70.	Victoria Gardens, Parel Road	2,15,552·00
71.	Dick's Tank Garden, Parel Road, adjoining J. J. Hospital	2,740·00
72.	Foras Road Garden, Junction of Foras Road and Falkland Road	3,005·00
	F WARD.	
73.	Arthur Road, near the Bridge footpath— Used as a Road Department Depot	305·00
74.	Arthur Road, near Bridge Arch, West side— Used as a Road Department Depot	134·00
75.	Tulsirampada, Arthur Road, North side— Used as a Road Department Depot	505·00
76.	Bhoiwada Cross Road, South side, near City Improvement Trust Chawl— Used as a Road Department Depot	684·00
77.	Elphinstone Road Compound, North low-level road, near Church— Used as a Road Department Depot	747·00
78	Elphinstone Road, near Market— Used as a Road Department Depot	800·00
79.	Government House, Parel, compound, plot No. I— Acquired for the King Edward Memorial Hospital and now let for cultivation purposes	22,563·00
80.	Government House, Parel, compound, plot No. II— Acquired for the King Edward Memorial Hospital and now let for cultivation purposes	12,138·00
81.	Sewri, behind McKenzie Saw Mills— Used as a Road Department Depot and for a Stone Crusher	16,555·00
82.	Sewri Cross Road, near Tulsi Building— Used as a Road Department Depot (originally acquired for the Hindu Cemetery)	1,391·00
83	Sion Road, near Sluice House— Used as a Road Department Depot	610·00
	G WARD.	
84.	Cleveland Road— Vacant land near and on the West of Dr. Batliwala's Laboratory... ...	1,600·00
85.	Do. do. do.	1,956·00
86.	Do. do. do.	1,356·00
87.	Do. do. do. opposite Church	562·00
88.	Cleveland Road Junction with Worli Road— Vacant land on the West of Low-Level Channel No. I	2,022·00
89.	Dadar-Kumbharwada Cart, near Khed Tank— Partly occupied by a small building (which yields rent) and partly vacant land leased for gathering fruits and tapping trees. Acquired for road purposes	3,509·59
90.	Dadar-Kumbharwada Cart, near Khed Tank— Vacant land now leased for gathering fruits and tapping trees. Acquired for road purposes	17,280·00
91.	Dharavi Road, near Sion Station, G. I. P. Railway— Government land leased to the Municipality for purposes of reclamation only	22,893·00
92.	Do. do. do. ...	6,638·00
93.	Do. do. do. ...	3,588·00
94.	Dharavi Road, near Sion Station, G. I. P. Railway, on the East of Boot Factory belonging to Adamji Peerbhoy— Government land leased to the Municipality for purposes of reclamation only.	35,470·00

		Area in square yards.
95.	North and South of Fergusson Road and on the East of Junction with Low-Level Channel No. I—	
	Used as a Road Department Depot	4,183·00
96.	Hornby Vellard Road, South-East of Love Grove Sluices—	
	Vacant	3,376·00
97.	Haines Road (B. B. & C. I. Railway Level Crossing)—	
	Leased to dhobies as drying ground by the Health Department	1,50,000·00
98.	Hornby Vellard Road Junction with Clerk Road—	
	Storm-water reservoir now lying vacant and being filled in by Health Department with kutchra and earth	1,11,665·00
99.	Haines Road, on the West side of Junction with Tulsi Pipe Line.—	
	Partly used as Christian Cemetery, and partly vacant, and is leased for cultivation by Health Department	26,975·00
100.	Lady Jamsetji Road, East side, on the South of Hasali Tank—	
	Used as a Road Department Depot	254·00
101.	Mahim Bazar Road, on the East of Chandanwadi Cemetery—	
	Acquired for extension of the Chandanwady Cemetery, partly occupied by a small building which is used as a chowki and the remainder is leased for gathering fruits	8,494·06
102.	Old Parbhadevi Road on the Sea side—	
	Vacant. Was used as a Hindoo Burial Ground	2,606·67 7,714·00
103.	Worli Road, Sambhoo Mahadev Pakhadi—	
	Partly occupied by latrines and partly vacant and is in charge of Health Department and is leased for tapping date trees	212·15
104.	Worli Sluice Road, on the North of Old Sluice—	
	Vacant and leased for grazing	5,23,00,000·00
105.	Worli Sluice Road on the South of Old Sluice—	
	Vacant	17,280·00
106.	Worli Road (Sethna Villa)—	
	Partly occupied by bungalow and partly vacant. Recently acquired from Mr. Sethna for the quarters of the Pumping Station Staff ...	27,991·66
107.	Worli Road (Sethna Villa)—	
	Ditto ditto ditto	471·00
108.	Worli Road (Sethna Villa)—	
	Vacant	840·00
109.	Do. do.	815·6/9
110.	Do. do.	507·00
111.	Worli Sluice Road Junction, Old Purbhadevi Road—	
	Land acquired from Government for filling in. Now given out for cultivation by Health Department	80,013·00
112.	Worli Road—	
	Vacant land on the West of Worli Channel at its Junction with Channel No. 2	894·00
113.	Worli-Koliwada Road—	
	Vacant land between Junction, Cleveland Road and Worli-Koliwada Road	2,100·00
114.	Worli-Koliwada Road—	
	Vacant on the East of Junction with Cleveland Road	2,111·00
115.	Worli-Koliwada Road—	
	Vacant land on the East of Worli-Koliwada Road	2,261·00
116	Worli Road—	
	Vacant land on the West of Low-Level Channel No. 1 near its Junction with Low-Level Channel No. 2	5,467·00
	Total ...	5,95,34,618·48 square yards or 11,060·77 acres.

Open spaces created by the filling in of tanks, wells, &c.

283. The following is a statement showing open spaces that have been or will be created by the filling in of tanks, wells, &c., as sanctioned by the Corporation from time to time:—

	Area in square yards.
A WARD.	
1. Nakhoda Tank— Being filled in	6,253·00
B WARD.	
2. Babula Tank— The reclamation partly used as a Road Department Depot, partly occupied by halalkhores' huts, partly by Road beggaries' chawls and partly by Contractors' stable...	18,967·00
C WARD.	
3. Cawasji Patel Tank— Reclamation made into a garden	921·55
4. Framji Kavasji Tank— Reclaimed Framji Kavasji Tank. This land has been reserved for Framji Kavasji Institute and Garden	1,479·00
5. Girgaum Road near Nowroji Shet Street— Reclaimed well now used as a Road Department Depot	150·00
D WARD.	
6. Girgaum Back Road near "Anand Bhuwan"— Reclaimed well now used as a Road Department Depot	212·00
7. Gowalia Tank— Reclaimed and used as recreation ground	20,840·00
E WARD.	
8. Mustan Tank, Junction of Bellasis Road and Huzeria Street— Reclaimed. Being used as a recreation ground	4,597·00
9. Old Foras Tank at DeLisle Road, near Sheep and Goat Market— Reclaimed and leased for cultivation	11,235·00
10. Gilder Tank, Junction of Lamington Road and Foras Road— Reclaimed and used as a recreation ground and partly as temporary health camp	8,865·00
11. Matharpakhadi Tank (Oart)— Reclaimed and used as a recreation ground	978·00
12. Nanabhoy Tank, Nabob Tank Road— Let on a short lease	520·00
13. Fulmali Tank, Stable Street (Midway between 5th and 13th Kamatipura Streets)— Reclaimed; formerly occupied by temporary Health Department Stables. Now vacant	2,850·00
14. Khara Tank, Tank Street, between Bellasis Road and Grant Road— Reclaimed; used as gardens	2,392·00
15. Nawab Tank, Mazagon— Reclaimed and being laid out as a recreation ground	3,283·00
F WARD.	
16. Naigaum Tank, Naigaum Cross Road— Partly reclaimed	32,562·00
17. Futka Tank, Matunga— Not filled in. Is very close to the King's Circle formed by the Improvement Trust	3,499·00
18. Gowari Tank, Gowari Village— Not reclaimed	4,487·00
19. Satgar Tank, Sion Road— Not reclaimed	6,621·00
20. Buran Tank, Buran Tank Road— Not reclaimed	1,509·00
G WARD.	
21. Jambli Tank, Mahim Bazar Road— Used as a playground	3,850·00
Total ...	1,35,570·55 square yards or 28·01 acres.

Open spaces proposed.

284. The following statement shows the open spaces proposed to be provided by the City Improvement Trust in Schemes V and VI, and also areas in Mahim, DeLisle Road and Love Lane suggested by this office for acquisition :—

Serial No.	Ward.	Description.	Area in acres.
		Open spaces within the Mahim Scheme as proposed by the Executive Engineer.	
1	G	Open space between the Seashore and Lady Jamshedji Road, including Jambli Tank and space surrounding it.	66
2	G	Dighee Tank at Upper Mahim Road ..	2·85
3	G	Open space to the east of Purbhadevi Road, including Saoli Tank and the space surrounding it	10·06
		Open spaces to be acquired at Love Lane and at DeLisle Road.	
4	E	Love Lane	4
5	G	DeLisle Road	6·42
			89·33
		Open space to be provided by the City Improvement Trust in their Schemes Nos. V and VI.	
		Scheme No. V, Matunga Scheme, as scored yellow on the plan	18
		Scheme No. VI, Sion Scheme, as scored yellow on the plan	34
			52

TRAMWAYS.

285. A new double tram track along King's Way from Parel Terminus to the Labour Corps Depot (Dadar), about 5,050 feet in length was laid during the year.

286. A length of about 1,300 feet of single track from Arthur Bunder to Colaba railway level crossing was also converted into double track.

287. The Corporation having under their Resolution No. 4313 of 7th October 1915 requested the Commissioner to include in the Annual Report of the Municipality the number of tram cars running in the City classified according to the different types approved by the Corporation with the total carrying capacity of each car, the following information, obtained from the Bombay Electric Supply and Tramways Co., is given for the year under report :—

1. 50 bogie cars each carrying 52 persons sitting and, in addition, 8 standing during rush hours.
2. 50 bogie cars each carrying 20 persons standing and 44 persons sitting.
3. 49 single truck cars each carrying 32 passengers.

   1 single truck car carrying 40 persons sitting.

   30 trains each carrying 70 passengers.

   16 trains each carrying 78 passengers.

PUBLIC LIGHTING.

Gas Lighting.

288. The total number of gas lamps (burners) reported last year was 6,523. This was increased during the year by 164, making a total of 6,687 as detailed in the following statement:—

Wards.	Upright C. burner lamps. (1)						†Inverted mantle and Ukay or Bombay lamps. (2)					High pressure lamps. (3)										Experimental high pressure lamps. (4)								Total. (5)
	Single lights.	Double lights.	Triple lights.	Quadruple lights.	Quintuple lights.	Total Burners.	Single lights.	Double lights.	Triple lights.	Quadruple lights.	Total Burners.	1,500 C. P. lamps with 2,500 C. P. lamps to burn after midnight, at Chowpaty.	1,500 C. P. with 3,500 C. P. burners, one after midnight, at Walkeshwar.	1,500 C. P. single burner burning throughout the night at Walkeshwar.	1,500 C. P. lamps with one 500 C. P. lamps after midnight, at Sandhurst Bridge.	3,000 C. P. lamps, with 2,500 C. P. lamps after midnight at Sandhurst Bridge.	600 C. P. lamps.	300 C. P. lamps.	100 C. P. lamps.	H. P. lamps at Flora Fountain.	1,800 C. P. lamps with 6 burners of 800 C. P. at Fitzgerald Column.	Total H. P. burners.	3,000 C. P. lamps with 3, 1,000 C. P. burners, 1 to burn after midnight at Hornby Road.	1,600 C. P. lamps with 3, 500 C. P. burners, 1 to burn after midnight at Hornby Road.	1,000 C. P. lamps with 2, 500 C. P. burners, 1 to burn after midnight at Lamington Road.	500 C. P. lamps, at Abdul Rehman Street.	2 Lt. Inverted lamps, at Falkland Road.	2 Lt. Inverted lamps, at Falkland Road.	1 Lt. Inverted lamp, at Falkland Road.	Total experimental high pressure burners.	
A	751	16	3	8	5	849	293	150	5	1	612	...	...	...	...	...	3	...	...	8	1	17	1	8	...	...	...	...	5	32	1,510
B	691	...	1	...	...	694	1	45	14	...	133	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26	...	...	...	26	853
C	708	...	...	...	...	708	9	35	17	...	130	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	838
D	848	...	4	...	...	860	87	41	15	...	208	15	17	1	3	1	2	2	11*	...	...	88	...	...	11	2	4	10	...	56	1,212
E	1,150	4	1	...	...	1,161	33	27	3	...	96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,257
F	272	...	1	...	...	275	3	25	6	...	71	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	346
G	347	...	...	...	...	347	14	146	6	...	324	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	671
Total No. of burners.	4,767	40	30	32	25	4,894	440	938	192	4	1,574	15	51	1	3	3	5	2	11	8	6	105	3	24	22	28	12	20	5	114	6,687

† Inverted mantle, UKay or Bombay lamps being of the same candle power have all been shown in column (2) in this statement.
* 9 of these were converted into "C" burners and utilized elsewhere.

289. The total expenditure on gas lighting, including the charges in respect of high pressure gas lighting, for the year amounted to Rs. 4,42,139-14-9.

290. Owing to the restrictions placed by the Coal Controller on the consumption of coal, the following alterations have been made in the lighting arrangements of the street lamps in the City since January 1918 :—

(*a*) 2-lt. lamps in Cadell Road and Lady Hardinge Road to burn with one light.

(*b*) The high pressure lights in the following localities which burned till midnight to burn upto 9 p.m. :—

1. Chowpatty.
2. Sandhurst Bridge.
3. Walkeshwar Road.
4. Hornby Road.
5. Lamington Road.

Kerosine Oil Lighting.

291. As in the preceding years, the kerosine oil lighting was carried out departmentally. The oil used was 125° Elephant Brand. The number of kerosine oil lamps in use was 1,152 as detailed below :—

Ward.	No. of lamps.	Remarks.
A	.....	
B	105	
C	31	
D	88	Simla pattern burners.
E	86	
F	475	
G	367	
Total ...	1,152	
No. of lamps in 1916-17...	1,189	

292. There was thus a reduction of 37 lamps due to replacement by gas lamps.

293. The total cost of kerosine oil lighting during the year amounted to Rs. 33,217-0-11. Deducting from this Rs. 411-12-0, being the amount of departmental bills for lighting, health camps, &c., and the amount recovered from private parties for breakage of lanterns, parts, &c., the nett cost amounted to Rs. 32,805-4-11, which gives a rate of Rs. 28-7-7 per lamp per annum as against a rate of Rs. 27-10-10 last year, the increase being due to the higher cost of oil.

PRIVATE BUILDING CONSTRUCTION.

Buildings erected or altered.

294. The number of applications received under Section 337 for the erection of new buildings, and under Section 342 for alterations to existing buildings, during the year under report, as compared with those received during the preceding 4 years, is as follows : —

Year.	Under Section 337.	Under Section 342.	Total No. of buildings dealt with.	Total No. of applications.
1913-1914	1,175	947	2,122	3,528
1914-1915	880	1,068	1,948	3,558
1915-1916	930	1,124	2,054	3,461
1916-1917	1,252	877	2,129	3,286
1917-1918	1,050	987	2,037	3,105

295. It is frequently the case that two or more modified proposals are received in connection with one and the same building ; hence the difference between the totals shown above.

296. The majority of the plans received were conditionally approved.

Set-backs.

297. The following is a comparative statement of the amounts expended on set-backs from 1900-1901 to 1917-1918:—

Year.	Paid from Capital.	Paid from Revenue.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
1900-1901	.....	1,05,008 14 11	1,05,008 14 11
1901-1902	.....	1,27,430 1 8	1,27,430 1 8
1902-1903	.....	82,189 14 9	82,189 14 9
1903-1904	.....	1,12,128 7 5	1,12,128 7 5
1904-1905	.....	1,48,751 15 5	1,48,751 15 5
1905-1906	79,736 0 2	1,57,747 15 7	2,37,483 15 9
1906-1907	1,90,118 7 11	1,18,347 2 8	3,08,465 10 7
1907-1908	1,53,791 11 10	1,00,000 0 0	2,53,791 11 10
1908-1909	3,98,183 1 5	1,00,000 0 0	4,98,183 1 5
1909-1910	2,92,501 2 2	1,00,000 0 0	3,92,501 2 2
1910-1911	1,54,672 1 10	1,00,000 0 0	2,54,672 1 10
1911-1912	2,41,054 1 2	1,11,313 0 0	3,52,367 1 2
1912-1913	2,10,729 9 1	1,14,894 0 0	3,25,623 9 1
1913-1914	2,21,745 13 7	1,01,663 1 9	3,23,408 15 4
1914-1915	4,34,918 10 5	1,09,199 10 1	5,44,118 4 6
1915-1916	* 6,03,819 0 4	1,05,684 8 1	* 7,09,503 8 5
1916-1917	96,173 3 11	1,22,699 8 2	2,18,872 12 1
1917-1918	19,277 8 8	1,59,595 15 3	1,78,873 7 11

* Inclusive of Rs. 3,57,632-2-3 on account of the unadjusted charges for 1915-16 and previous years.

298. The liability outstanding for land sanctioned to be acquired for set-backs amounted to Rs. 3,91,367-4-2.

Enforcement of Building Regulations.

299. 832 summonses were issued against house-owners under the various Streets and Building Sections of the Municipal Act, with the results shown in the following statement:—

Section of the Municipal Act.	Number of prosecutions.	Number of cases withdrawn on compliance with requirements.	Number of cases in which parties were warned and discharged.	Number of convictions.	Number of postponements falling during the year 1918-19.	Fines.
						Rs. a. p.
231	5	3	1	1	....	3 0 0
246A	3	1	2	....	....	....
250 (1) (a)	1	....	....	1	....	10 0 0
297 (3)	5	2	1	2	....	5 1 0
305	40	40	....	....	....	....
308	10	4	4	1	1	8 0 0
311	7	3	4	....	....	....
312	2	....	....	2	....	6 0 0
322	89	26	53	2	8	20 0 0
347	223	62	68	65	28	582 0 0
349	2	1	....	1	....	15 0 0
349B	5	1	4	....	....	....
353	22	7	8	7	....	51 0 0
353A	140	49	30	49	12	427 0 0
354	228	45	83	82	18	1,566 6 0
378	29	5	6	11	7	390 0 0
By-law No. 40	21	5	8	7	1	101 0 0
Total ..	832	254	272	231	75	3,184 7 0

300. 110 notices were issued under Section 378 of the Municipal Act for the improvement of insanitary buildings. In 41 cases the owners complied, and the remaining 69 cases were pending at the close of the year.

301. As regards the 11 cases which were pending at the close of the previous year, in 3 cases the necessary improvements were carried out, in 1 case the rooms being unfit for human habitation were used for shops and not for residential purposes and in the remaining 7 cases the notices were complied with.

302. Out of 524 notices issued under Section 354 of the Municipal Act for the removal of unsafe buildings, 415 were complied with, 6 were either cancelled or withdrawn and the remaining 103 cases were pending at the close of the year.

303. Fifty-six notices were pending at the close of the previous year. 51 of these were complied with, in 1 case a fresh notice was issued as the original notice was time-barred and the remaining 4 cases were still pending at the close of the year.

304. Twenty-six buildings or portions thereof fell during the year. There were no casualties in 24 cases and in the remaining two, five persons were killed and eight were injured.

305. Action was taken under Sections 349 and 380 of the Act, in 149 cases for the summary removal of inflammable and insanitary huts. Out of these, 94 were complied with, 7 were cancelled and the remaining 48 were pending at the close of the year.

306. Out of the 31 notices which were pending at the close of the previous year, 20 were complied with, in 1 case, the hut was allowed to stand conditionally and the remaining 10 cases were still pending at the close of the year.

307. Applications were made to the Standing Committee for the removal of unauthorised work in 9 cases, in 7 of which permission was granted. In 2 of the latter the work was pulled down by the Municipality and in 4, the work was removed by the party. The remaining 3 cases were pending at the close of the year.

308. Out of the 6 cases pending at the close of the preceding year, in 2 cases the work was allowed to be retained as a temporary measure, in 2, the work was removed by the Municipality, in 1 by the party and in the remaining one case Standing Committee's sanction was applied for the removal of the unauthorized work.

DISPOSAL OF TOWN SWEEPINGS.

309. 80 coir mat covers for kutchra refuse wagons and 6 tarpaulins for the drain wagons were prepared during the year at a cost of Rs. 1,991.

310. The additional area reclaimed during the year was about 9 acres, bringing the total to 193 acres, leaving a balance of 630 acres to be reclaimed.

311. The right of cultivating the reclaimed land for the year 1918-19 was sold for Rs. 7,000 against Rs. 5,000 of the last year and that of fishing in the Khajan land at Rs. 2,600 against Rs. 400 of the last year.

312. There was no railway accident during the year. There was one fire on the kutchra reclamation, on the 6th March 1918, but there was no loss to human life or Municipal property.

313. Only one kutchra train ran during the fair season, and during the monsoon and on race days two trains were run.

314. There was no epidemic during the year. The total mortality in the workmen's camp consisting of about 400 persons was 9 including 3 infant deaths. The general health was good.

315. A free school within the camp has been conducted by the Depressed Classes Mission, Bombay, for the last 11 years and is well attended.

PLAGUE MEASURES.

316. The following camps were erected on the Municipal land at a cost of Rs. 2,160, and were provided with latrines, water-supply and lighting arrangements at Municipal expense :—

No.	Locality.	No. of Rooms.
1.	North east of Chinch Bunder	20
2.	Lamington Road	50
3.	Mahim Garden	50
	Total number of rooms ...	120

317. The health camps which existed at the undermentioned places in the previous years were maintained at Municipal expense during the year under report :—

No.	Locality.	No. of Rooms.
On Municipal land—		
1.	Sukhlaji Street	20
2.	Arthur Road	71
3.	Chinchpokli	100
4.	Mahim Station	37
On Government land—		
5.	2nd Koli Lane, Colaba	20
	Total number of rooms ...	248

318. The total cost of maintaining these camps amounted to Rs. 3,612.

MISCELLANEOUS WORKS.

Love Grove Sewerage Outfall Works.

319. During the past year the construction of the New Outfall was proceeded with as weather permitted, 226 lineal feet being constructed. This makes a total length of the twin-barrel steel pipe section constructed to date of 751 lineal feet and carries the Outfall forward to a distance of 1,795 lineal feet from the engine house.

320. The comparatively short length of Outfall completed is accounted for by the exceptionally unfavourable weather experienced through the year and to the fact that the section now nearing completion is situated on a rock barrier exposed to breaking seas. Diving operations in shallow water in a rough sea are attended with much hardship and danger to the men, and there is also no little risk of damage to the works themselves. Fortunately there has been wonderful freedom from accident and the works are intact.

321. The quantity of work that can be accomplished under such conditions is far from commensurate with the effort expended.

322. Out of the 365 days of the year, work on the Outfall was quite impossible for 251 days on account of weather and sea conditions. For 38 days work was only partially possible leaving 76 full working days. It should however be noted that for portions of the work a certain tide level is required, consequently if the sea is rough on these days the work is retarded more than is represented by the actual number of rough days and the use of subsequent fine days is discounted.

323. The work has had to be executed mostly during the night and has been of a very trying and arduous character.

324. Only a short section over the rock barrier now remains to be completed after which better working conditions should obtain.

325. In addition to the construction of the Outfall a temporary protection wall consisting of large concrete blocks was built across the storm-water monsoon channel. This expedient was adopted to prevent silt being deposited in the neighbourhood of the sluices and public roadway and to minimize as much as possible the offensive odours arising therefrom being carried towards the City by the cold weather north winds. The desired object was in the main accomplished.

326. A bank of silt which had formed across the storm-water monsoon channel obstructing the flow was removed by this Department. A total quantity of 155,574 cubic feet of silt was excavated and used for reclaiming ground.

327. Quarrying operations were carried on at the foreshore adjoining the works supplying material for the Outfall works and the beginning was made with the supply of road material to the Road Department. Metal broken by the crushers and rubble amounting in all to 1,900 tons being provided from this source

Revision of Set-Back Lines.

328. Proposals were submitted for changing the regular lines of the following streets :—

Piru Lane and Imamwada Road ; Dalal Street from Esplanade Road to Apollo Street ; Byculla Bridge ; Girgaum Back Road ; Junction of Waudby Road and Ravelin Street ; Abdul Rehman Street from Umrigar Buildings to the Mosque ; Bank Street.

329. A scheme for improving Queen's Road and the surroundings of Church Gate Station was submitted.

330. A revised scheme for the development of Mahim was prepared and submitted to the Roads Committee of the Corporation. Estimates were prepared for

(1) the widening of Lady Jamshedji Road to 100 feet,
(2) the extension of DeLisle Road upto the Woollen Mills.
(3) the construction of Wanjawady Road.

331. The new register of set-backs is in course of preparation.

332. The maps of the new survey are now being received from the Survey Officer and are being mounted.

333. The work of marking the regular lines and recording other information thereon will be continued.

Floor Area of Tenements.

334. During the year under report 1,113 buildings were surveyed with a view to registering their floor area. This brings the total number of buildings surveyed since the commencement of this work in the year 1914 to 4,458. The following statement shows the increase or decrease in the floor area of tenements in new and altered buildings in the City.

Statement showing the increase or decrease in the class and floor area of tenements in new and altered buildings completed during the year 1917-18 :—

Ward.	DESCRIPTION.	Shops.		Godowns.		Residences.								REMARKS.
						One room Tenement.		Two rooms Tenement.		Larger Tenement.		Servants' Quarters.		
		No.	Floor area.	No.	Floor area.	No.	Floor area.	No.	Floor area.	No.	Floor area.	No.	Floor area.	
			sq. yd.		sq. yd.		sq. yd.		sq. yd.		sq. yd.		sq. yd.	
A	Total floor area of buildings "after" they are altered or newly built	12	1,103	45	7,882	...	...	13	253	341	8,640	28	372	
	Do. do. "before" do. do.	9	727	14	1,777	...	...	18	395	202	4,707	5	55	
	Total increase or decrease in floor area of buildings	3	376	31	6,105	...	...	−6	−142	139	3,933	23	317	
								Decrease.						
B	Total floor area of buildings "after" they are altered or newly built	20	887	38	2,494	1	18	8	175	385	6,259	16	195	
	Do. do. "before" do. do.	19	795	29	2,437	...	...	6	119	381	6,225	12	135	
	Total increase or decrease in floor area of buildings	1	92	9	57	1	18	2	56	4	34	4	62	
C	Total floor area of buildings "after" they are altered or newly built	58	1,177	41	1,283	2	51	30	589	302	6,159	21	293	
	Do. do. "before" do. do.	35	1,034	14	831	30	424	8	143	259	5,008	...	...	
	Total increase or decrease in floor area of buildings	23	143	27	452	−28	−373	22	446	43	1,151	21	293	
						Decrease.								
D	Total floor area of buildings "after" they are altered or newly built	83	2,003	37	2,302	126	1,669	31	601	1,656	38,088	141	2,087	
	Do. do. "before" do. do.	43	763	17	1,495	13	179	18	270	956	23,145	54	762	
	Total increase or decrease in floor area of buildings	40	1,240	20	807	113	1,490	13	331	700	14,943	87	1,325	
E	Total floor area of buildings "after" they are altered or newly built	65	1,677	41	6,858	182	2,658	20	596	738	12,708	11	147	
	Do. do. "before" do. do.	41	1,109	20	2,460	70	816	30	521	247	3,946	2	26	
	Total increase or decrease in floor area of buildings	24	568	21	4,423	112	1,842	−10	−125	491	8,762	9	121	
								Decrease.						
F	Total floor area of buildings "after" they are altered or newly built	10	229	29	5,161	6	76	...	...	126	2,742	17	250	
	Do. do. "before" do. do.	9	224	14	4,373	5	58	...	...	57	1,169	4	61	
	Total increase or decrease in floor area of buildings	1	5	15	788	1	18	...	...	69	1,573	13	189	

Ward.	DESCRIPTION.	Shops.		Godowns.		Residences.								REMARKS.
						One room Tenement.		Two rooms Tenement.		Larger Tenement.		Servants' Quarters.		
		No.	Floor area.	No.	Floor area.	No.	Floor area.	No.	Floor area.	No.	Floor area.	No.	Floor area.	
			sq. yd.		sq. yd.		sq. yd.		sq. yd.		sq yd.		sq. yd.	
G	Total floor area of buildings "after" they are altered or newly built	17	401	53	14,386	309	3,880	146	2,677	390	6,990	2	23	
	Do. do. "before" do. do.	2	26	19	7,586	100	1,221	37	504	114	2,491	...	...	
	Total increase in floor area of buildings	15	375	34	6,800	209	2,659	109	2,173	276	4,499	2	23	
▲ to G	Total floor area of buildings "after" they are altered or newly built in all the Wards.	265	7,477	284	40,391	626	8,352	247	4,691	3,988	81,586	236	3,367	
	Do. do. "before" do. do. do. ...	158	4,678	127	20,959	218	2,698	117	2,953	2 216	46,691	77	1,037	
	Total showing the increase in floor area of buildings in all wards excluding City Improvement Trust Plots.	107	2,799	157	19,432	408	5,654	130	2,732	1,722	34,895	159	2,330	
	Total increase in floor area of buildings on City Improvement Trust plots ...	185	4,749	27	658	506	10,282	172	5,914	269	31,867	70	853	
	Grand total showing the increase in floor area of buildings in the whole city of Bombay	292	7,548	184	20,090	914	15,936	302	8,653	1,991	66,762	229	3,183	

	No.	Floor area of rooms Sq. yd.
Miscellaneous increase in floor area of buildings in all Wards.		
Public Buildings, Offices, Schools, Printing Presses, Clubs, Hotels, Hospitals, Police Stations, Cinemas, Theatres, &c.	135	17,845
Motor Garages, Coach Houses and Horse Stalls	63	3,306
Milch-cattle Stables and Bullock Stables	11	1,015
Mills, Factories, Workshops, Tanneries &c	96	47,252
Sheds (for shops, godowns, etc.)	50	9,130
Temples, Mosques, Durgahs, Jamatkhanas, &c.	6	604
Total	361	79,092

Revision of the Municipal Properties List.

335. The property list of E Ward, which is a very extensive ward, is still in progress. Besides this, acquisitions of new properties in the other wards during the whole year have been duly noted, and general investigations have been made and notes taken in respect of various properties in all the wards, the details of which crop up for investigation in conjunction with other Municipal subjects.

336. Valuable information has also been gathered in respect to properties in D and G Wards during the course of such general investigation.

Hanging Gardens at Malabar Hill.

337. A further portion of this terraced garden was laid out and an excellent view point from Ridge Road and a plateau was formed. A number of new benches were also provided in the garden during the year. The garden continues to be a favourite place of resort.

Conversion of Falkland Road Garden into a play-ground.

338. The work of filling in and levelling the site of the old garden, forming tarred paths and providing benches, &c., for which a grant of Rs. 4,036 was made, was completed during the year. The expenditure booked to the end of the year was Rs. 1,105-0-11. Planting of shrubbery, turfing, &c., remains to be done.

Conversion of the Northbrook Garden into a play-ground.

339. A provision of Rs. 13,706 was made in the budget for the improvement of the Northbrook Garden so as to make it more attractive for children. The work of filling in, forming tarred roads and paths, providing single and double bars, a descent canopy over the bust of Lord Northbrook, &c., was in progress. The expenditure booked upto the close of the year was Rs. 2,049-10-7.

The filling in of Nawab Tank.

340. The work of filling in Nawab Tank upto ground level was completed at a cost of Rs. 5,987-8-6. The land will be left as an open space and used as a play-ground for children.

Schemes.

341. Proceedings in connection with the acquisition of land for the following schemes were pending before the Collector at the close of the year :—

(*a*) Proposed new road through Dadar Kumbharwada.

(*b*) Widening of Sonapur Lane.

(*c*) A through road from Worli Road to Mahim Bazar Road passing along Purbhadevi Road.

(*d*) The improvement of Church Gate Street, and development of a portion of Fort South.

(*e*) Widening Musjid Bunder Road and Nakhoda Street.

342. The construction of the proposed new road from Sewri to Parel Tank Road was postponed for want of funds.

343. Negotiations are proceeding for the acquisition of land required for the widening of Musjid Bunder Road and Abdul Rehman Street.

GENERAL.

BILLS, VOUCHERS, &c., RECEIVED AND PASSED.

344. Comparative statement of the number of bills, vouchers, &c., received, examined and passed during the five years from 1913-14 to 1917-18:—

Description.	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
Bills for Supplies, Works, &c.	22,126	23,666	16,838	16,390	14,473
Departmental Works Bills	3,595	3,677	2,879	3,141	3,258
Private Works Bills	3,028	3,023	5,137	3,226	3,471
Total ...	28,749	30,356	25,149	22,757	21,202

NOTICES, &c., ISSUED.

345. Comparative statement of the number of notices, &c., issued under the various sections of the Municipal Act during the five years from 1913-14 to 1917-18:—

Section of the Municipal Act.	Description.	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
	Streets and Buildings.					
231	To provide rain water eaves, gutters and down-take pipes	245	157	135	101	176
299	Intimation to take possession of land outside buildings for street improvements	92	190	104	80	76
305	To level, metal or pave, drain and light private streets	118	89	66	77	86
308	To remove new projections	649	431	578	333	349
308-309	To remove new as well as old projections ...	3	1	...	...	...
309 (1)	To remove or alter projections, &c., made before Bombay Act III of 1872 came into force ...	...	...	...	1	...
311	To remove or alter door, or gate, bar or window opening upon a street	14	7	5	26	29
313-B	To remove any board or shelf within a height of 12 feet from the surface of the street	4	9	1	8	...
329	To repair, project or enclose wells or dangerous places...	11	4	8	12	4
349	To remove inflammable materials in external walls and roof covering	190	141	130	167	130
349-D	To provide staircases to allow of safe exit in event of fire	...	...	...	2	...
351	To remove, alter or pull down structures erected without Municipal approval or to submit plans for the same...	37	38	21	37	25
353	To alter buildings erected or to amend works done contrary to the provisions of the Municipal Act or Building Bye-laws	278	291	243	231	264
354	To pull down ruinous houses	450	446	344	397	524
354-A	To remove persons unlawfully directing or carrying on the erection of or repairs to a building ...	128	159	211	212	305
380	Removing or altering insanitary huts or sheds ...	271	26	2	11	19
383	To cut and trim trees, shrubs and hedges... ...	2	8	...	...	...
	Carried over ...	...	...	...	...	...

Section of the Municipal Act.	Description.	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
	Streets and Buildings—*continued.*					
	Brought forward ..	...	...	...	...	...
392 (1)	To keep workshops, factories, &c., in a sanitary condition	...	...	...	1	...
488	Intimation of intention to enter any building or land for inspection, &c., after 24 hours' notice...	797	596	497	372	330
351 (2)	Intimation of intention to enter houses after 48 hours' notice...	2	8	3	10	12
298 (2)	Intimation of intention to take possession of land occupied by buildings, &c.	3	4	2	5	5
Bye-law 48	Infringement of the provisions of the Building Bye-laws	...	...	3	...	1
Section I of Government Notification No. P-228 of 10th February 1897.	To prohibit the further use of a building as a dwelling	20	...	...	...	...
315	To remove projections made before Section 312 came into force	...	7	...	...	...
378	To improve insanitary buildings	...	6	9	21	110
378 (2)	To declare unimproved buildings unfit for human habitation	...	6	1	5	48
377 (1A)	To cleanse, &c., the neglected, unwholesome and filthy private streets	...	...	...	...	59
	Drainage.					
222	Laying Municipal drains through or under lands belonging to private parties	1	1	1	...	1
230	To carry drains through land belonging to other persons	7	14	33	25	26
231	To drain undrained premises within a hundred feet of a Municipal drain	742	857	762	712	651
232	To drain undrained premises not within a hundred feet of a Municipal drain	20	12	9	11	13
238	To declare joint ownership of a drain	8	8	33	3	17
243	To raise vent pipes on the drain	10	32	27	63	64
244	To affix shafts or pipes for ventilation of drains, &c.	45	25	20	20	30
257	To renew, repair, &c., drainage of house	1,210	1,642	1,376	1,385	1,455
258	To prohibit contraventions generally of the provisions of Chapter IX of the Municipal Act ...	...	2	...	...	...
...	Drainage of waste water from bleaching and dyeing works	...	...	...	...	...
260	To execute certain works without allowing option to persons concerned of executing the same ...	...	12	...	...	85
233	Closing or limiting the use of existing private drains...	...	...	...	...	...
242	Right of the Corporation to drains constructed at Municipal expense	...	...	...	...	...
	Total ...	2,043	2,605	2,261	2,219	2,343

SUMMARY.

Departments.	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
Streets and Buildings	3,314	2,604	2,868	2,107	2,552
Drainage	2,043	2,605	2,261	2,219	2,343
Total ...	5,357	5,209	4,624	4,326	4,895

LETTERS, &c., RECEIVED AND DESPATCHED.

346. Comparative statement of the number of letters, references to Inspectors, &c., received and despatched during the five years from 1913-14 to 1917-18 :—

Departments.		1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
General Streets and Buildings Branches ...	Inward ...	1,73,275	1,54,139	1,00,910	94,228	78,468
	Outward...	1,78,873	1,51,277	99,125	92,766	75,692
Drainage Branch	Inward ...	64,398	62,012	63,654	57,815	52,070
	Outward...	38,036	39,501	38,713	34,690	31,187
	Total ...	4,52,482	4,06,929	3,02,107	2,76,494	2,37,417

347. The following is a summary of the clerical work done by the different Branches of the Department during the year :—

Consecutive No.	Description of Work.	General Streets and Buildings Branches.	Mechanical Branch.	Drainage Branch.	Total.
1	Letters, &c., received, including replies to references to Inspectors, &c.	78,468	3,478	52,070	1,34,016
2	Letters despatched, including references made to Inspectors for report	75,692	6,386	31,187	1,13,265
3	Notices issued	2,552	.....	2,343	4,895
4	Summonses issued	832	.....	932	1,764
5	Contracts for annual and other supplies and for the construction of various works	37	.....	10	47
6	Leases of various rights sold	30	.....	.....	30
7	Vouchers received and passed	6,053	762	7,658	14,473
8	References made to Inspectors for certificates on vouchers...	2,755	.....	3,584	6,339
9	Reports and certificates received from the Inspectors, &c.	2,747	.....	3,584	6,331
10	Departmental and private works bills prepared or received, checked and passed	5,163	1,301	265	6,729
11	Workshops balance sheets prepared and forwarded ..	.....	14	.....	14
12	Requisitions prepared or received and forwarded ...	2,609	7,045	1,775	11,429
13	Measurement slips for metal, sand, rubble, &c., received and checked	1,188	.....	.....	1,188
14	Morning and material reports, &c., prepared or received and checked	5,988	.....	.....	5,988
15	Muster and Rolls Paysheets received and checked or prepared	623	.....	.....	623
16	Statements of wages, refund certificates prepared or received and passed	294	.....	.....	294

Consecutive No.	Description of Work.	General Streets and Buildings Branches.	Mechanical Branch.	Drainage Branch.	Total.
17	Unclaimed wages, refund certificates prepared or received and passed	1,839	... ..	.....	1,839
18	Work abstracts for road repairs and maintenance ...	84	.....	.....	84
19	Work abstracts for road watering received and checked	84	.....	.....	84
20	Permits issued for projecting verandahs, balconies, rewas, weather-frames, &c.	54	... ..	.....	54
21	Permits issued for the erection of a scaffolding ...	868	.....	.....	868
22	Permits issued for opening roads	524	.....	.....	524
23	Permits issued for temporary occupation of public streets on marriage and other ceremonies	585	.....	.....	585
24	Advice notes for sale of tender forms, rights of cutting grass, hire of steam-rollers, carts, ground-rent, sale of building forms under Sections 337 and 342, supplying copies of office records, &c., prepared and forwarded to the Chief Accountant	3,565	.....	97	3,662
25	Licenses issued to Plumbers	128	.....	. ...	128
26	Licenses issued to Surveyors	60	.....	.....	60
27	Authorities issued to Plumbers for opening roads under tram lines	.....	.....	.....	.....
28	Orders issued for adding ground	10	.....	.....	10
29	Permits for building or rebuilding houses granted either conditionally or unconditionally	1,892	.....	.....	1,892
30	Claims for compensation for lands, &c., taken up for street improvement passed	48	.....	.....	48
31	Number of road slips prepared and passed	1,09,643	.....	.....	1,09,643

I have the honour to be,

Sir,

Your most obedient servant,

JAMES W. MACKISON, B.Sc., M.Inst. C.E.,

Executive Engineer.

WATER WORKS.

REPORT OF THE HYDRAULIC ENGINEER.

Tansa Lake.

The total rainfall for the year measured near the outlet from the lake was 116·79 inches or 14 per cent. above the average for the preceding five years, the rainfall for the preceding five years being:—

88·26	inches in	1912.
83·26	„	1913.
132·80	„	1914.
92·08	„	1915.
113·75	„	1916.

Rain fell on 135 different days and ranged from 1 to 4 inches per day on 36 occasions.

The lake commenced to overflow on 24th July, when the rainfall amounted to 38·56 inches and continued to overflow until 3rd November. The total quantity of water that passed over the waste weir was 93,220 million gallons.

The quantity of water delivered into the duct from the lake during the year was 14,455 million gallons out of which 12,662 million gallons were received in the City, the balance of 1,793 million gallons being partly discharged into the Vehar Lake and partly lost due to evaporation, overflow from syphon heads and leakage along the duct.

The quantity of water lost from the lake through supply, evaporation, leakage and absorption between 1st April and 31st May was 3,862 million gallons and between 3rd November 1917 and 30th March 1918 was 8,310 million gallons, making a total loss of 12,172 million gallons for 209 days or an average of 58 million gallons per day.

The loss of water by evaporation from the lake averaged during the dry months 0·23 inches per day equivalent to 19 million gallons per day, the observed monthly evaporation being as follows:—

April	1917	...	10·1 inches
May	„	...	7·2 „
December	„	...	5·8 „
January	1918	...	6·2 „
February	„	...	5·9 „
March	„	...	6·8 „

The lowest depth to which the water in the lake was drawn was 402·84 feet above T.H.D., leaving 22·84 feet or 16,806 million gallons available for consumption above the level of the lowest outlet.

The total leakage along the duct between Tansa and Ghatkoper measured at the close of the year was 2·3 million gallons per day.

The following are the results of Analysis made at different periods of the year :—

Date of Analysis.	Grains per gallon.		Parts per million.			Remarks
	Total solids.	Chlorine.	Free Ammonia.	Albd. Ammonia.	Nitrites.	
April 1917	8·0	0·7	*Nil.*	0·102	*Nil.*	
July ,, ...	7·0	0·7	*Nil.*	0·07	*Nil.*	No smell, clear, white floating particles, vegetable matter and clay.
October ,, ...	7·0	0·7	*Nil.*	0·04	*Nil.*	
January 1918	7·0	0·7	*Nil.*	0·08	*Nil.*	

Tulsi Lake.

The total rainfall for the year at Tulsi was 138·28 inches or 48 per cent. above the average for the preceding five years, the rainfall for the preceding five years being—

77·25 inches in 1912.
94·97 ,, ,, 1913.
116·94 ,, ,, 1914.
85·46 ,, ,, 1915.
92·35 ,, ,, 1916.

Rain fell on 112 different days, once exceeding 9 inches per day, and on 38 occasions it ranged from 1 to 7 inches per day.

The Lake began to overflow on 27th August 1917 when the rainfall amounted to 71·30 inches and continued to overflow until 13th October. The total quantity of water that passed over the waste weir into the Vehar Lake was 1,507 million gallons.

The total quantity of water lost from the lake by supply, evaporation, leakage and absorption between 1st April and 31st May 1917, was 378 million gallons and between 1st November and 31st March was 944 million gallons, making a total of 1,322 million gallons for 212 days or an average of 6 million gallons per day.

The total quantity of water received in the City was 1,446 million gallons, or the average of 4 million gallons per day.

The quantity of water lost from the lake through supply, evaporation, leakage and absorption between 1st April and 31st May was 324 million gallons and between 1st December and 31st March was 767 million gallons, making a total loss of 1,091 million gallons for 182 days or an average of 6 million gallons per day.

The lowest level to which the water in the lake was drawn before the break of the monsoon of 1917 was 437·80 feet above T.H.D., leaving 38·44 feet or 913 million gallons in the lake for further supply.

The following are the results of Analyses made at different periods of the year :—

Date of Analysis.	Grains per gallon.		Parts per million.			Remarks.
	Total solids.	Chlorine.	Free Ammonia.	Albd. Ammonia.	Nitrites.	
April 1917	7·0	0·8	0·024	0·14	*Nil.*	No smell, clear, many brown particles floating, vegetable matter and clay.
July „	9·0	0·8	0·016	0·184	*Nil.*	
October „	9·0	0·7	*Nil.*	0·15	*Nil.*	
January 1918	8·0	0·9	0·016	0·246	*Nil.*	

Vehar Lake.

The total rainfall for the year was 117·78 inches or 28 per cent. above the average of the preceding five years, the rainfall for the preceding five years being :—

69·55 inches in 1912.
90·47 „ „ 1913.
108·73 „ „ 1914.
91·60 „ „ 1915.
99·38 „ „ 1916.

Rain fell on 112 different days once exceeding 10 inches per day and on 34 occasions the rainfall varied from 1 to 6 inches the heaviest rainfalls during the year were on 28th August and 4th October when 6·63 and 10·10 inches respectively were recorded.

The Lake commenced to overflow on 5th October when the rainfall amounted to 113·28 inches and continued to overflow until 13th October. The total quantity of water that passed over the waste weir was 2,092 million gallons.

The total quantity of water received in the City during the year from the lake was 4,046 million gallons or an average of 11 million gallons per day.

The quantity of water lost from the lake through supply, evaporation, leakage and absorption between 1st April and 31st May was 1,140 million gallons and between 1st December and 31st March was 2,364 million gallons, making a total loss of 3,404 million gallons for 182 days or an average of 19 million gallons per day.

The lowest depth to which the water in the lake was drawn before the break of the monsoon of 1917 was 241·86 feet above T. H. D., leaving 11·36 feet or 2,260 million gallons available for consumption above the level of the lowest outlet.

The following are the results of Analysis made at different periods of the year :—

Date of Analysis.	Grains per gallon.		Parts per million.			Remarks.
	Total solids.	Chlorine.	Free Ammonia.	Albd. Ammonia.	Nitrites.	
April 1917	8·0	0·8	*Nil.*	0·16	*Nil.*	No smell, clear, brown and green particles floating, vegetable matter and clay.
July „	9·0	0·9	*Nil.*	0·198	*Nil.*	
October „	9·0	0·8	*Nil.*	0·114	*Nil.*	
January 1918	8·0	0·8	*Nil.*	0·104	*Nil.*	

Powai Lake.

The following proposals for the disposal of the Powai Works were under consideration during the year, *viz.* :—(1) to offer the lake, dam, etc., for sale to Government for use as a small irrigation scheme, (2) to drain the lake and sell the land, engines, etc., (3) to drain the lake and auction the rights of cultivating, cutting grass, etc., (4) to utilize the lake for supplying water for future industrial purposes in Salsette. Proposals for utilizing the lake are under the consideration of the Corporation and also of the Engineer, Thana Sanitary Projects, while the engines and boilers have been sold to the Madras Government for Rs. 26,000 and the engine and boiler shed has been dismantled and re-erected and at Bandra Slaughter House for stabling cattle. The outhouses have been demolished and re-built at Ghatkoper as offices and workshops for the Salsette Division.

Maintenance Works.

There were 73 bursts during the year as against 52 during 1916-17, 68 during 1915-16 and 64 during 1914-15.

3″	...	23 main.
4″	...	24 „
5″	...	5 „
6″	...	5 „
7″	...	1 „
8″	...	1 „
12″	...	1 „
16″	...	2 „
24″	...	2 „
36″	...	3 „
48″	...	6 „

The number of water connections made during the year was 391, including 5 branch connections. Connections cut off for various reasons numbered 177, of which 76 were restored. The net increase therefore in the number of connections is 290. The total number of connections now stands at 25,832.

The total number of Municipal meters at present in use is 2,204.

The total number of disconnections orders submitted to the Standing Committee from time to time during the year was 288 against 374 last year. All these were sanctioned and have been dealt with as follows :—

(1) Disconnections not enforced owing to parties having complied with requirements	111
(2) Disconnections enforced	177
(3) Connections restored on compliance with Municipal requirements	76
(4) Connections remained unrestored	101

Waste Prevention.

Waste Prevention operations were continued throughout the year with the result that 10,671 underground and 21,766 above ground defects were detected and repaired.

The following comparative statement shows the total length of water mains examined during the year under report and the preceding five years:—

Period.	Excluding second and subsequent test. lin. ft.	Including second and subsequent test. lin. ft.
From 1st April 1912 to 31st March 1913	35,965	2,486,482
From 1st April 1913 to 31st March 1914	45,317	2,356,067
From 1st April 1914 to 31st March 1915	11,356	2,464,100
From 1st April 1915 to 31st March 1916	62,669	2,382,793
From 1st April 1916 to 31st March 1917	4,704	2,541,769
From 1st April 1917 to 31st March 1918	.....	2,412,403

The total length of mains of all sizes sounded during the year under report was 109 miles and 3,083 feet.

The number of defect notices issued during the year was 5,197 against—

5,031 issued during the year 1912-13
3,968 „ „ „ 1913-14
4,519 „ „ „ 1914-15
4,386 „ „ „ 1915-16
4,894 „ „ „ 1916-17

Particulars of defects detected and remedied, the number of diagrams taken, and the quantity of water found running to waste from 1st April 1917 to 31st March 1918 are given in the following statement.

Statement of Defects found on Mains and Service Pipes during the year from April 1917 to March 1918.

No. of Diagrams taken.	Total leakage discovered in Gallons per hour.	DEFECTS.																		Totals.
		Under Ground.									Above Ground.									
		Mains.		Sluice valves.	Hydrants.	Service pipes.	Stop taps.	Disconnected service pipes.		Miscellaneous Holes in Mains, etc.	Bib Taps.		Service pipes.		Ball Valves and Tanks.			Stop Taps leaking.	Meter Coup Flanges, Holes, etc.	Miscellaneous.	
		Bursts.	Joints.					Ferrule leak.	Pipe leak.		Out of order.	Left open.	Leaking.	Without Tap.	B. V. out of order.	Tanks without B. Vs.	Tanks leaking.				
1917.																				
April ... 88	1,28,725	8	59	215	495	134	11	5	3	11	1,655	44	96	...	52	4	4	133	51	28	= 2,997
May ... 69	45,600	3	47	167	498	112	19	3	...	12	1,650	51	132	4	56	1	5	112	32	19	= 2,923
June ... 77	93,575	7	59	121	369	98	14	3	2	4	1,325	244	71	3	37	1	...	76	46	7	= 2,278
July ... 72	71,075	4	53	161	469	144	25	4	1	2	1,217	158	104	3	45	...	6	92	41	13	= 2,542
August ... 91	98,750	8	48	168	302	128	23	4	3	3	1,441	219	97	2	51	...	3	95	22	15	= 2,627
September ... 64	1,11,800	3	48	120	460	134	12	4	1	4	1,819	124	110	5	56	1	2	86	36	21	= 2,535
October ... 83	33,050	4	42	132	592	157	14	1	...	5	1,653	96	165	3	58	1	5	92	42	20	= 3,082
November ... 79	46,000	6	48	163	666	153	11	3	2	2	1,429	61	136	17	57	5	5	141	48	34	= 2,987
December ... 69	45,150	12	46	181	542	123	7	1	2	2	1,151	43	131	10	45	...	5	106	25	18	= 2,400
1918.																				
January ... 77	1,21,230	14	69	193	682	136	19	4	3	14	1,540	45	130	7	82	3	4	113	17	44	= 3,119
February ... 73	58,240	5	53	188	634	147	40	4	1	9	1,324	64	93	5	37	...	11	54	5	26	= 2,690
March ... 60	33,700	6	31	112	626	91	25	2	...	7	1,074	37	84	5	19	2	2	59	27	48	= 2,257
Total ... 902	8,86,895	79	594	1,866	6,235	1,547	220	38	17	75	16,678	1,186	1,349	64	585	18	52	1,159	382	293	32,437
Grand Total 902	8,86,895	10,671									21,766									32,437

Distributing and Service Mains.

In connection with the renewal and replacement of the existing water mains and the laying of additional water mains, the following works were carried out during the year:—

1) Laying a 6" water main in Haines Road from the 24" Tulsi Main to Messrs. Duncan Stratton and Co's. Bleaching and Dyeing Factory. (Length 2,000 feet).

(2) Removing 3" and 4" disused mains from the Tulsi Pipe Line Road.

(3) Diverting 9" main in Girgaum Back Road from Kakadwadi to Sadhashive Street's junction.

(4) Laying a 6" main from Malabar Hill Reservoir to Nepean Sea Road. (Length 2,450 feet).

(5) Removing 4" disused main from the 1st Nowrosji Hill Road.

(6) Connecting a 4" main in Naviwadi to a 5" main in Zaoba's Oart. (Length 190 feet).

(7) Lowering 8" and 5" mains in Musjid Bunder and Samuel Streets.

(8) Diverting 4" main at Girgaum Road, west of Portuguese Church.

(9) Making a 4" cross connection between 21" and 11" mains in Girgaum Road near Burrows Lane.

(10) Relaying 1,500 feet 3" and 4" water service pipes with 8 hydrants for the new garden at Malabar Hill Reservoir.

(11) Laying 175 feet of 4" main in Siri Road to improve the water supply to the Hanging Garden, Malabar Hill.

Reservoirs and Filters.

At Malabar Hill Reservoir, the old timber and tiled roofs over Filters No. I to IV were replaced by a cement concrete roof and the garden over No. 1 Reservoir was extended over the new roof and also over the roof covering Filters V, VI and VII at the south-west corner of the Reservoir. The work of constructing the cement concrete roof was entrusted to Messrs. Marsland Price and Co., at a cost of Rs. 87,138-12-0, while the earth filling thereon, making up the garden and the other minor works in connection therewith were carried out departmentally. These works were completed at the end of the year and the additional area of 10,129 square yards of garden thrown open to the public. No works of importance were carried out at the Bhandarwada Reservoir during the year.

General Remarks.

The quality of water received from the Tulsi lake, has, for many years past, been the cause of serious complaints during the hot season, especially just before the break of the monsoon. To remedy this complaint proposals for constructing Mechanical filters at Tulsi have been approved by the Corporation and the work is awaiting the raising of a new loan to meet the cost. As a tentative measure, however, it was decided to scrape the 24" main from Tulsi to Bombay. This work was carried out departmentally resulting in the removal of a large amount of decaying vegetable matter, but the complaint, however, remains the same. Owing to the smell and high discoloration of the water in the lake it was considered advisable to close down the Tulsi supply during the hot weather for all purposes except for trade. This is a serious handicap at the time of greatest demand for water.

To meet conditions arising from the work of constructing the new roof over the filters at Malabar Hill a centrifugal pump driven by an old oil engine was temporarily erected in No. 1 Reservoir to supply the Ridge Road main and this has to a great extent enabled water being supplied to the Malabar Hill District since the closing of the Tulsi supply.

The work of re-erecting the old turbine in the control room at the north-east corner of the reservoir was also taken in hand during the year and is nearing completion.

The work of constructing a new office, workshop and quarters for the staff of the Salsette Division was commenced at Ghatkoper during the year and is nearing completion. The old office, workshop, and quarters at Kurla will be sold, when the new quarters, etc., at Ghatkoper, have been completed.

The work of re-constructing 160 feet length of the Tansa Duct which collapsed at Bhandup in the year 1901 was put in hand and is nearing completion.

The works of repairing leaks along the whole length of the duct and the regrading of the Tansa and Tulsi mains were continued throughout the year. The bridge piers under the Tulsi main over the Bandra Creek were examined and strengthened by filling them in with cement concrete.

The work of constructing a steel screening tower at the Vehar Lake was completed at a cost of Rs. 25,027 and has since been brought into use.

Financial.

The Budget grant for the maintenance of the Water Department for the year 1917-18 was Rs. 5,00,176, which with the lapsed grants renewed and with the transfers and additional grants sanctioned amounted to Rs. 5,65,146-0-7. The total expenditure incurred against this sum and paid for during the year amounted to *Rs. 4,73,301-4-8, leaving an unexpended balance of Rs. *91,844-11-11, a portion of which will be renewed in 1917-18 to meet the liabilities incurred during the year.

1.	Number of cases disposed of	3,561
2.	Number of vouchers received and passed	1,485
3.	Number of Departmental and Private Works Bills prepared and forwarded...	962
4.	Number of references made to Inspectors for certificates on vouchers	1,185
5.	Number of reports and certificates received from Inspectors ...	1,185
6.	Number of requisitions received and forwarded... ...	1,277
7.	Number of notices issued in connection with defective pipes and fittings	5,197
8.	Total number of contracts executed	3
9.	Number of advices sent to Chief Accountant	2,048

* These figures are subject to revision by the Chief Accountant.

FIRE BRIGADE.

I have the honour to submit my Annual Report on the working of the Brigade for the year 1917-18.

Calls.—The year with 290 fires has been a record one, being an increase of ten over the 1914 record. The total number of calls received was 379, resulting in 290 fires, 1 chimney fire, 39 false alarms and 3 calls to fallen buildings against 180 fires, 2 chimney fires and 35 false alarms last year.

Fires.—Fires extinguished by the Brigade totalled 155, and 135 were extinguished before our arrival. The most disastrous fire of the year occurred at the Prag Mahal Building, Kalbadevi Road, on July 17th, where 2 persons lost their lives by suffocation, 2 others died from injuries received from jumping and 2 were seriously injured from the same cause. Other serious fires occurred at Prince's Dock on April 6th, Kalachowki Road on April 7th, Pasta Lane, Colaba, April 17th, Apollo Reclamation, Colaba, April 26th and at Victoria Bunder, Colaba, on May 1st. A very exciting fire occurred at Parekh Street on November 10th, but fortunately no lives were lost. On arrival of the Brigade, the ground floor and staircase of a 4-floored building was found to be well alight and the inmates were jumping from the upper floors. Jumping sheets and an escape were brought into use and 25 persons successfully jumped and 15 more either descended the escape or were assisted by firemen from the 2nd and 3rd floors. Unfortunately those that jumped before the arrival of the Brigade were all more or less injured. All were treated at a local hospital. The damage by fire in this case was comparatively small. See Appendices IV, V and VI.

Fire Loss.—The estimated fire loss for the year amounted to Rs. 20,22,278 while the property at risk has been rated at Rs. 4,62,57,135. Of the amount Rs. 18,85,683 was covered by insurance and Rs. 1,36,595 was uninsured. Compared with the previous year there is an increase of Rs. 14,64,441. The cotton fire epidemic in the first month of the year, however, was responsible for Rs. 11,89,843, *viz.*, Rs. 8,89,843 in the cotton storage area and Rs. 3 lakhs on ship-board. After deducting this amount from the year's total the increase in proportion to the increase in the number of ordinary fires compares favourably with last year and the preceding year. The average loss per fire is approximately 4·4 per cent. For comparative statement see Appendix VII.

Water Supply.—The water supply throughout the year was satisfactory and the attendance of the Water Department Staff prompt. The approximate quantity of water delivered at the fires amounted to 31,25,660 gallons or 13,953·8 tons of which 23,71,410 gallons were taken from the mains and 7,54,250 gallons from sea and docks, etc.

Lives Lost.—Four persons lost their lives at fires and six received such injuries that they subsequently succumbed. Other received minor injuries but have since recovered. First Aid was rendered by the Brigade on 2 occasions. See Appendix V.

Fire Alarms.—The fire alarm system continues to work satisfactorily. Of the 379 calls of fires 209 were received by fire alarms. It is proposed to increase the number of call points as soon as the material is available.

A map showing the distribution, fire stations and positions of fires of the year is attached.

New Stations.—Owing to the war nothing has been done in this direction during the year. The site for the new Fort Station has been taken over by the Government for Military purposes.

New Appliances.—The new appliances, etc., on order owing to the restriction in England have not been delivered. Attempts to obtain a priority certificate for the motor escape tender for the Gowalia Tank Station were unsuccessful. Provision for the ensuing year's requirements has been made in the budget.

General.—The strength of the Brigade was maintained throughout the year. There was however more sickness in the Brigade than for some time past particularly amongst the officers, two of whom had to take sick leave. One officer is still serving with the Colours.

I regret to have to report the death of Firemen Sakharam Ramchandra who was killed at a fire at Victoria Bunder, Colaba, on May 1st, through the sudden collapse of a stack of cotton. His widow and child were awarded a pension.

Two firemen died during the year and 27 were invalided, resigned or otherwise left the service. Several men received injuries at fires but none proved serious.

The Brigade turned out on 7 occasions to fallen buildings. 5 persons lost their lives by being overwhelmed, 18 persons were rescued alive by the Brigade and 18 received injuries, all of whom have since recovered.

The Brigade were also summoned to rescue persons overcome by gas fumes at the Simplex Mill, Clerk Road, and were successful in rescuing two men alive. The dead bodies of six others were also recovered.

One hundred and ninety-three inspections were made of premises in connection with licenses for dangerous trades, etc., against 68 last year. Twenty-seven theatres, cinema halls and circus tents were also inspected.

Hydrant inspection was carried out periodically throughout the year and the staff at the Municipal Office and A. C. Market regularly drilled. The staff at the Victoria War Hospital were instructed in the use of fire appliances and drills are now carried out weekly by an officer of the Brigade.

It has not been possible to continue the "First Aid to the Injured" Classes during the year.

The distance covered by the motor appliances to and from the 379 calls of fire totalled 4,100 miles.

The Brigade was complimented on the smart turn out and work done at a fire at His Majesty's Mint on May 17th.

Thirteen ship fires occurred during the year.

The Police, Officers of the Water Department and Salvage Corps as usual rendered every assistance, all to whom I wish to express my thanks.

I have the honour to be,
Sir,
Your most obedient servant,
T. C. GREENOP,
Chief Officer, Fire Brigade.

Budgetted strength and equipment of the Brigade :—

Strength.

1	Chief Officer.	7	First Class Tindals.
3	Clerks.	8	Second Class Tindals.
1	Head Foreman.	9	Third Class Tindals.
7	Foremen.	40	First Class Firemen.
1	Mechanic.	145	Second Class Firemen.
8	Engineers.	6	Coachmen.
1	Fitter.	2	Grooms.
1	Head Tindal.	4	Mochis.
15	Motor Tindals (Drivers).		

Making a total of 259 men of all ranks.

Equipment.

5	Horse-drawn Engines.	3	Manual Engines.
4	Petrol Motor Engines.	1	Hose and Store Van.
4	Steam Motor Engines.	1	Emergency Van.
2	Petrol Motor Tenders.	1	Brake.
1	Motor Turntable Ladder	9	Horses.
15	Hose Reels.	1	Motor Car.
9	Hand Fire Escapes.	35,000	feet of Hose, and other small appliances.
1	Hose and Ladder Truck		

APPENDIX I.

Statement showing the Distribution of Engines, etc.

Numbers.	STATIONS.	Petrol Motor Pumps.	Motor Steamers.	Horsed Steamers.	Manuals.	Hose Reels.	Hose and Ladder Trucks.	Motor Tenders.	Motor Ladders.	Fire Escapes.	Smoke Helmets.	Hose Van.	Brake.	Emergency Van.	Horses.	Delivery Hose, 50 feet lengths.	Foremen.	Motor Mechanic.	Engineers.	Fitters.	Motor Drivers.	First and Second Class Tindals.	Third Class Tindals.	Firemen of Grades.	Drivers.	Grooms.	Mochies.	REMARKS.
1	Byculla	...	1	4	...	1	...	...	...	2	...	1	1	1	7	204	1	1	4	1	4	5	1	39	5	1	1	
2	Haines Road ...	1	...	...	...	...	1	...	1	1	...	...	...	...	...	78	1	...	..	...	3	1	1	17	...	...	...	Escape carried on Motor Tender.
3	Gowalia Tank ...	1	...	...	...	1	...	...	...	1	...	...	...	...	...	42	1	...	...	...	1	1	1	23	...	...	1	Escape carried on Motor Pump.
4	Chinchpokli ...	1	...	...	...	1	...	...	...	1	...	...	...	...	...	52	1	...	...	...	1	1	1	19	...	...	2	Escape carried on Motor Pump.
5	Babula Tank ...	...	1	...	...	1	...	1	...	1	...	...	...	...	...	73	1	...	1	...	2	1	1	16	...	...	...	Escape carried on Motor Tender.
6	Fort... ...	...	...	...	1	...	1	...	...	1	...	...	...	...	2	37	1	...	1	...	...	1	1	12	1	1	...	
7	Colaba ...	1	...	...	1	4	...	...	...	1	...	...	...	...	...	62	1	...	...	...	1	1	1	16	...	...	...	Escape carried on Motor Pump
8	DeLisle Road ...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	15	...	...	...	...	...	1	...	7	...	...	...	
9	Mahim ...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	15	...	...	...	...	..	1	...	7	...	...	...	
10	Dadar ...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	15	...	...	...	...	...	1	...	7	...	...	...	
11	Bhuleshwar ...	...	1	...	...	1	...	...	...	1	...	...	...	...	...	41	...	...	1	...	1	1	1	6	...	...	...	
12	Mandvi ...	...	1	...	...	2	...	...	1	...	1	...	...	...	...	66	1	...	1	...	2	1	1	16	...	...	...	
	Total ...	4	4	5	3	15	1	2	1	9	2	1	1	1	9	700	8	1	8	1	15	16	9	185	6	2	4	

APPENDIX II.

MUNICIPAL FIRE BRIGADE.

Summary of calls to fires (including false alarms) showing the number of times that appliances were used for attending and extinguishing fires during the year 1917-1918:—

STATIONS.	No. of Fire Alarms attached.	How called.						Appliances attended.										How extinguished.								Sprinklers actuated.	Remarks.
		By Stranger.	By Police.	By Fire Alarms.	By Exchange Telephone.	By Private Telephone.	Total.	Manuals.	Hose and Ladder Truck.	Hose Reels.	Horsed Steamer.	Motor Steamers.	Motor Pumps.	Motor Tenders.	Motor Turnable Ladder.	Hand Escapes.	Hose Van, etc.	Buckets.	Hand Pumps.	Chemical Extinguisher.	1st Aid Machine.	Hydrants.	Steamers.	Motor Pumps.	Manuals.	Sand.		
Byculla ...	10	2	...	35	108	...	145	...	...	...	9	39	...	...	...	6	32	2	...	...	...	6	7	...	...	...	119	
Haines Road...	...	...	...	...	...	...	...	...	...	...	...	...	86	47	...	...	...	2	1	...	...	9	...	9	...	...	...	
Gowalia Tank.	9	1	...	16	...	...	17	...	...	17	...	...	66	...	...	17	...	3	...	...	...	...	2	4	...	...	...	
Chinchpokli ...	7	3	..	20	...	1	24	...	...	22	...	...	59	...	...	48	...	7	...	...	...	13	...	9	...	...	...	
Babula Tank...	...	8	3	...	...	...	11	...	...	...	...	167	...	149	...	...	...	3	2	2	5	8	13	...	...	...	...	
Fort	9	3	...	18	...	...	21	...	...	17	74	...	...	...	...	27	...	7	2	...	...	5	3	...	...	6	...	
Colaba ...	6	24	...	25	...	...	49	...	...	33	...	...	58	...	...	59	...	3	...	2	...	12	...	11	...	...	...	
DeLisle Road...	1	...	1	1	...	...	2	9	...	11	...	...	...	..	...	...	...	3	...	...	...	5	...	...	...	...	...	
Dadar ...	3	...	...	1	...	...	1	3		3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	
Mahim ...	1	1	1	1	...	...	3	...	4	4	...	...	..	...	...	...	...	2	1	...	...	...	...	...	...	...	...	
Bhuleshwar ...	13	6	4	61	..	...	71	...	...	74	...	141	...	...	...	81	...	7	...	1	...	4	6	...	...	6	...	
Mandvi ...	14	2	1	31	...	1	35	...	...	3	...	112	...	...	107	...	...	5	2	...	...	11	12	...	...	...	...	
Total ...	73	50	10	209	108	2	379	12	4	184	83	462	269	196	107	238	32	44	8	5	5	74	43	33	...	12	119	

APPENDIX III.

LIST OF CAUSES OF FIRES FOR THE YEAR 1917-1918.

Causes.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	February.	March.	Total.
Airing linen	...	...	1	...	...	...	...	...	...	...	...	...	1
Ashes, hot	...	1	...	...	...	...	...	1	...	...	...	1	3
Candle	...	...	...	...	...	...	...	...	...	1	1	...	2
Chimney, adjoining, spark from.	...	...	1	...	...	...	...	...	...	...	...	...	1
Cinematograph films	...	...	...	1	...	...	...	...	...	...	...	...	1
Cotton waste, drying on boiler.	...	...	...	1	...	...	...	...	...	...	...	...	1
Dammer, boiling over	...	1	...	...	...	...	...	...	...	...	...	...	1
Doubtful	5	...	...	...	...	...	...	...	...	...	...	...	5
Electric iron, over heat of	...	...	...	1	...	...	...	...	...	...	...	...	1
Electric Circuit, defective	2	1	5	1	6	4	4	...	2	4	2	2	33
Fat, boiling over	...	...	...	...	2	...	...	...	1	...	...	...	3
Fire, spark from	1	2	...	...	...	...	2	1	2	4	2	2	16
Fireplace, overheat of	...	...	...	...	...	...	...	1	...	...	...	...	1
Fireworks, children playing with	...	1	...	...	...	...	...	...	...	...	...	...	1
Flat iron, over heat of	...	...	...	...	...	...	...	...	...	...	...	1	1
Forge, spark from	...	...	...	...	...	...	...	...	1	...	...	2	3
Foul flue	...	...	...	...	...	...	...	...	...	...	...	2	2
Friction	1	...	...	...	...	...	...	1	...	...	...	2	4
Kerosine oil, upset	...	...	1	...	...	...	...	...	...	...	...	1	2
Kerosine oil lamp, over heat of	...	...	...	...	...	1	...	...	2	...	...	3	6
Kerosine oil lamp, upset	...	...	...	...	...	...	...	3	...	3	...	1	7
Kitson lamp, over heat of	...	...	...	...	...	...	...	...	...	1	1	...	2
Light thrown down	8	5	4	...	1	3	1	8	8	9	7	4	58
Locomotive, spark from	1	...	...	...	...	...	...	...	...	...	...	...	1
Naked light, clothing, decorations, etc., coming in contact with	...	...	1	...	...	...	...	...	2	...	2	...	5
Naked light, petrol vapour coming in contact with	...	...	...	...	1	...	...	...	...	1	...	...	2
Oil boiling over	...	1	...	...	2	...	...	1	...	...	...	1	5
Oil engine, defective	...	...	...	...	...	...	...	...	...	...	...	1	1
Oil lamp, over heat of	...	...	...	1	1	...	...	...	...	1	...	...	3
Oil lamp, upset	...	1	...	...	...	...	...	...	...	3	...	...	4
Resin melting	...	...	...	...	1	...	...	...	...	...	...	...	1
Rubbish, burning	...	...	...	...	...	...	...	...	2	...	1	1	4
Smoke box, defective	...	...	...	...	...	...	...	...	1	...	...	...	1
Spirit, methylated, upset	...	...	...	...	...	...	...	1	...	...	...	...	1
Spontaneous ignition	2	2	1	1	...	3	3	1	...	...	3	3	19
Stove charcoal, spark from	...	...	...	...	...	1	1	1	1	...	...	...	4
Stove charcoal, upset	1	...	...	...	...	...	...	...	...	...	...	1	2
Stove oil, upset	...	...	...	...	...	...	1	...	...	...	...	1	2
Stove Primus, over heat of	...	...	...	...	...	...	1	...	...	...	...	1	1
Stove Primus, explosion of	...	...	...	...	...	...	...	...	...	...	...	1	1
Suicide	...	...	...	...	...	...	...	1	1	...	...	...	2
Tar boiling over	...	...	...	...	...	...	...	...	...	...	1	...	1
Tinsmiths at work	1	...	...	...	...	...	...	...	...	...	...	...	1
Tobacco, drying	...	...	...	1	...	...	...	...	...	1	...	...	2
Tobacco, smoking	1	1	...	...	...	...	...	...	...	...	...	...	2
Unknown	35	5	2	1	...	2	1	9	2	6	2	2	67
Wax sealing, boiling over	...	...	...	...	...	...	...	2	...	...	...	...	2
Zinc dust, over heat of	...	1	...	...	...	...	...	...	...	...	...	...	1
Total	58	22	16	8	14	14	14	31	25	34	22	32	290

APPENDIX IV.

LIST OF FIRES THROUGH WHICH PROPERTY TO THE EXTENT OF Rs. 2,000 AND UPWARDS WAS DESTROYED DURING THE YEAR 1917-18.

Date.	Locality.	Description of property destroyed.	Estimated loss.
1917.			Rs.
6th April ...	Prince's Dock	Steamship	3,00,000
7th ,, ...	Kala Chowki Road	Cotton mill	1,15,000
12th ,, ...	DeLisle Road, Lower Parel ...	Railway Stores...	5,000
13th ,, ...	Apollo Street, Fort	Paint and Oil godown	10,000
15th ,, ...	Apollo Reclamation, Colaba ...	Cotton	8,000
16th ,, ...	,, ...	,, ...	30,000
,, ,, ...	,, ...	,, ...	75,000
,, ,, ...	,, ...	,, ...	70,000
17th ,, ...	,, ...	,, ...	5,000
,, ,, ...	2nd Pasta Lane, Colaba ...	Cotton godown...	1,42,000
24th ,, ...	Victoria Bunder, Colaba ...	,, ...	20,200
25th ,, ...	Arthur Bunder, Colaba ...	,, ...	40,500
26th ,, ...	Apollo Reclamation, Colaba ...	Cotton	2,50,000
,, ,, ...	,, ...	,, ...	10,000
27th ,, ...	Arthur Bunder, Colaba... ...	,, ...	6,000
,, ,, ...	1st Pasta Lane, Colaba... ...	,, ...	8,000
28th ,, ...	Arthur Bunder, Colaba... ...	,, ...	6,000
29th ,, ...	Apollo Reclamation, Colaba ...	,, ...	6,000
30th ,, ...	Victoria Bunder, Colaba ...	,, ...	10,000
1st May ...	Victoria Bunder, Colaba ...	Cotton godown...	2,00,000
2nd ,, ...	Chinch Bunder, Mandvi ...	Copra godown and dwellings ...	60,000
7th ,, ...	,, ...	Hemp	10,000
19th June ...	Fergusson Road, Parel ...	Cotton mill	6,000
25th ,, ...	Kalbadevi Road	Cinematograph films	10,000
27th ,, ...	Girgaum Road...	Dwelling	3,000
17th July ...	Kalbadevi Road	Cinema films and dwellings ...	1,25,700
28th ,, ...	Clerk Road	Cotton mill	2,000
19th September ...	Elphinstone Road, Parel ...	,, ...	53,000
1st October ...	Parel Road, Bhendi Bazar ...	Saddler and Coach Furnisher ...	15,000
3rd November ...	Esaji Street, Mandvi ...	Gunny bags, etc.	3,750
5th ,, ...	Parel Road, Bhendi Bazar ...	Saddler and Coach Furnisher ..	15,000
10th ,, ...	Parekh Street, Sandhurst Road.	Cinema films and Dwelling ...	61,580
20th ,, ...	Victoria Docks...	Steam-ship	2,500
23rd ,, ...	Parel Road	Paint, Hardware, etc.	3,200
24th ,, ...	Tank Street, Byculla	Cotton godown...	15,000
25th ,, ...	Umarkhadi 1st Row, Jail Road.	Dwellings	5,000
28th ,, ...	Northbrook Street, Grant Road.	Mineral Water Factory ...	4,000
1918.			
1st January ...	DeLisle Road	Cotton mill	3,000
7th ,, ...	Dongri Street	Godown and Dwelling	6,100
,, ,, ...	Tank Bunder Road	Hay	9,800
,, ,, ...	Messent Road, Tank Bunder ...	,, ...	2,800
13th ,, ..	Mazagaon Road	Copra and Sugar	14,000
16th ,, ...	Borha Cross Lane, Colaba ...	Motor garage	4,000
17th ,, ...	Tank Bunder	Hay	4,000
22nd ,, ...	Ghorupdeo Road	Cotton mill	8,000
25th ,, ...	Sandhurst Road	Oil shop and dwelling	4,500
28th ,, ...	Parel Road, Bhendi Bazar ...	General shops	2,055
3rd February ...	Bombay Harbour	Steamship	50,000
6th ,, ...	Mandvi Koliwada	Sulphur godown	7,000
2nd March ...	Kalachowki Road	Cotton mill	15,000
9th ,, ...	Queen's Road	Motor Car Show Rooms ...	80,000
16th ,, ...	Tardeo Road	Cotton mill	15,000
23rd ,, ...	Green Street, Fort	Shops, etc.	10,000
28th ,, ...	Bombay Harbour	Steamship	12,000
29th ,, ...	Butchers Island, Bombay Harbour.	Buildings	20,000

APPENDIX V.

SUMMARY OF LIVES LOST AT FIRES DURING THE YEAR AND OF PERSONS WHO RECEIVED SUCH INJURIES THAT DEATH SUBSEQUENTLY ENSUED.

Date.	Time.	Place.	Remarks.
17th July 1917 ...	5-19 P.M. ...	Prag Mahal Buildings, Kalbadevi Road.	Mary Joseph, aged 45 years, killed by jumping from 4th floor. Fazal Begum, aged 17 years, injured by jumping from 1st floor. Removed to Hospital. Since dead. Reginald Kardaza, aged 36 years, suffocated by smoke and burned on both feet. Girdhari, aged 28 years, suffocated and burned to death.
7th September 1917...	9-8 P.M. ...	Sindhi Lane, Sandhurst Road.	Nandoo Jiwa, aged 25 years, severely burned on body. Removed to Hospital. Since dead.
1st October 1917 ...	1-36 A.M. ...	Parel Road, Bhendi Bazar.	Abbasbhoy Mahomedally, aged 31 years, severely injured by explosion. Removed to Hospital. Since dead.
30th October 1917 ...	4-28 P.M. ...	Vincent Road, Dadar	Malka Joti, aged 1 year, burned to death.
27th November 1917.	9-39 P.M. ...	Dongri Street, Mandvi.	Premabai Baharmal, aged 22 years, severely burned on body. Removed to Hospital. Since dead.
26th December 1917.	1-2 P.M. ...	Kamathipura 2nd Lane.	Bakoo Ida, aged 19 years, severely burned on body. Removed to Hospital. Since dead.
16th January 1918 ...	7-40 P.M. ...	Borah Cross Lane, Colaba.	Venkat Swami, aged 25 years, severely burned on body. Removed to Hospital. Since dead.

APPENDIX VI.

BRIEF DETAILS OF THE MOST SERIOUS FIRES OF THE YEAR.

Date.	Time.	Place.	Business.	Extinguished by	Damage.	Estimated loss.
1917. 6th April.	5-9 P.M.	Prince's Dock.	Steamship.	3 Motor Steamers, and 2 Motor Pump.	A steamship of 3,844 tons register, Nos. 3 and 4 holds, and contents comprising 11,980 bales of cotton, etc., damaged by fire, heat, smoke and water.	Rs. a. p. 3 00,000 0 0
7th April.	5-31 P.M.	Kalachowki Road, Chinchpokli.	Cotton Mill.	3 Motor Steamers, 3 Motor Pumps (86 Sprinklers actuated.)	A building of 3 floors 110′ × 65′ used as mulling, carding, weaving and blow rooms. Top floor and contents severely damaged by fire and most part of roof off. Lower part of building and contents and ground floor and contents of building adjoining and communicating by water.	1,15,000 0 0
17th April.	1-53 P.M.	Maneck Lines, 2nd Pasta Lane, Colaba.	Cotton Godown.	2 Motor Steamers, and 2 Motor Pumps.	A building of one floor 90′ × 80′ and contents consisting of 4,000 bales of cotton, severely damaged by fire, and most part of roof off.	1,42,000 0 0
26th April.	10-40 A.M.	Apollo Reclamation, Colaba.	Cotton.	3 Motor Steamers, and 1 Motor Pump.	Three stacks of cotton comprising 6,600 bales and covering an area of 100′ × 30′ severely damaged by fire on Bunder head.	2,50,000 0 0
1st May.	5 3 P.M.	Victoria Bunder, Colaba.	Cotton Godown.	3 Motor Steamers and 3 Motor Pumps.	A corrugated iron building of one floor 160′ × 40′ and contents consisting of 6,000 bales of cotton severely damaged by fire and part of roof off.	2,00,000 0 0
17th July.	5-19 P.M.	Prag Mahal Buildings, Kalbadevi Road.	Cinematograph Film Dealers.	4 Motor Steamers and one Horsed Steamer.	A building of 5 floors 180′ × 75′ used as shops, offices and dwellings. Part of ground floor and contents, staircase, lift shaft and top floor and contents severely damaged by fire. Rest of building and contents by heat, smoke and water.	1,25,700 0 0

APPENDIX **VII**.

MONTHLY SUMMARY OF FIRES AND ANNUAL LOSSES FOR THE PERIOD 1908-1909 TO 1917-1918.

YEAR.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	February.	March.	Total.	Estimated Loss.
1908-1909.	7	11	7	5	2	8	11	11	9	12	9	10	102	23,94,164
1909-1910.	9	18	8	7	6	4	9	5	7	10	17	9	109	15,05,557
1910-1911.	8	8	9	14	3	2	7	18	16	8	13	11	177	5,76,742
1911-1912.	12	8	4	7	8	12	14	7	13	11	11	17	124	23,04,703
1912-1913.	14	9	5	11	10	13	14	13	23	17	17	16	162	15,20,093
1913-1914.	14	11	11	2	10	5	14	29	29	27	35	37	224	64,75,696
1914-1915.	48	42	39	15	14	17	17	27	14	19	17	11	280	30,19,569
1915-1916.	20	15	12	13	11	12	9	25	13	19	12	15	176	6,36,503
1916-1917.	13	20	15	4	12	8	12	18	17	20	16	25	180	5,57,837
1917-1918.	58	22	16	8	11	14	14	31	25	31	22	32	290	20,22,278

APPENDIX **VIII**.

Prosecution for malicious interference with Fire Alarms during the year 1917-18 :—

Date.	Nature of Offence.	Police Court and Magistrate.	Remarks.
24th July 1917 ...	Breaking the glass of fire alarm at Charni Road.	Hon. Presidency Magistrate's Bench, Girgam Police Court.	Anant Keshav Kamat, aged 35 years, warned and discharged.
10th January 1918.	Breaking the glass of fire alarm at Parel Road (Bhendi Bazar) and giving false alarm of fire.	Honorary Presidency Magistrate's Bench, Girgam Police Court.	Husan Doctor Gaya, aged 40 years, fined Rs. 5.

BUTCHER'S ISLAND
Map of the
ISLAND of BOMBAY
SCALE 2400 FEET TO AN INCH
Fire Stations shown thus

Map of the
ISLAND OF BOMBAY
SCALE 2400 FEET TO AN INCH
Fire Stations shown thus
Fire Alarms do do.
do. do. proposed.
Fires shown thus
Private Fire Lines
BUTCHER'S ISLAND
N

PUBLIC GARDENS.

REPORT OF THE SUPERINTENDENT OF MUNICIPAL GARDENS RECEIVED UNDER HIS No. G-90 OF 25TH MAY 1918.

SIR,

I have the honour to submit the Annual Report on the administration of the Municipal Gardens in my charge for the official year 1917-18.

2. Mr. C. D. Mahaluxmivala, Superintendent, Municipal Gardens, continued to be on the furlough granted to him in continuation with privilege leave for 2 years from 1st May 1916 and I acted in his place.

3. The following gardens were maintained during the year under report :—

(*a*) Victoria Gardens.
(*b*) Elphinstone Circle Garden.
(*c*) Falkland Road Garden.
(*d*) Northbrook Garden.
(*e*) Sir Cowasji Jehangir Garden at Mahim.
(*f*) Bhatia Baug Garden (Victoria Square).
(*g*) Dick's Tank Garden.
(*i*) Esplanade Bandstand Green.
(*j*) Chowpaty Bandstand.
(*k*) Flora and Wellington Fountains and the Queen's Statue.

4. No further progress was made in the work of improving the Victoria Square for reasons stated by the Commissioner in his letter No. 37670, dated the 22nd February 1917, to the Corporation.

5. The Falkland Road and Northbrook Gardens are being turned into play grounds for children. New footpaths have already been constructed there, and the grounds have been raised and levelled and are now being turfed over.

6. The number of visitors to the Victoria Gardens during the year under report was 1,555,865 against 1,582,500 in the preceding year, showing a slight decrease of 26,635. This is no doubt due to 38 Fridays in the year being reserved for ladies and children only, as per Corporation Resolution No. 474 of 19th April 1917. Had it not been for this, the total number of visitors for the year under report, calculated on the basis of a daily average of over 4,000, would have exceeded last year's total by more than 100,000. A separate report on this subject will be submitted as desired by the Corporation after this experimental measure has been tried for a full year.

7. The usual difficulties of obtaining sufficient labour supply and good mallees were felt more than ever during the year under report. I am glad and thankful to say however that a revised schedule, increasing the pay of all the mallees and raising the lowest grades of Rs. 13 and 12 to Rs. 15 and 14 has just been sanctioned by the Standing Committee and it may now be expected that this will materially help us to secure a sufficient number and better class of trained and efficient mallees in the future.

8. The water supply continued to be the same as in the previous year, being continuous for the greater part of the year but deficient in pressure at times. The general condition of the gardens, notwithstanding these defects, was maintained up to its usual standard of tidiness.

9. A few more roads were newly tarred whilst others were repaired by the Executive Engineer's Department during the year as far as funds permitted, and the rest were repaired and kept in good order departmentally.

10. Out of the grant of Rs. 5,000 provided in the Budget for construction of storm-water drains, Rs. 2,974 were obtained by transfer and expended for raising and altering the small masonry tanks and for covering the well in the gardens as anti-malaria measures and the balance was used for constructing the drains.

11. The improvements and alterations suggested by Mr. Millard and other gentlemen in the Central avenue of the Garden were completed during the year under report. The newly designed ribbon flower beds along half the avenue were planted out in the rains with white balsams and torenias and its upper half with white and pink zinnias alternately. The latter made a splendid show and it was generally agreed that never had zinnias flowered so well before in the gardens. Many of the flowers were 4 to 6 inches across. This was due either to the exposed and healthy situation in which they were grown or to the new and well manured soil or to both. It was a great pity however that the blooms were considerably damaged by the continuous and heavy rains of September and October. In the cold weather these beds were treated with white and pink phlox in the lower half and white candytutts and blue asters in the upper half of the avenue. The phloxes grew and bloomed vigorously and the alternate white and pink blaze of colour produced a very good effect. It was not possible however to plant out these beds in proper colours as I had intended to do owing to the failure of many of the seeds such as phloxes of different colours, larkspurs, etc., and in some cases the seeds also turned out to be of ubite different colours from the named varieties sent out by the seedsmen at home.

12. Some of the overgrown shrubberies were cut down, and dug up and manured during the year under report. The lawns on both sides of the road leading from the Refreshment room up to the cupola of Lady Frere's statue were dug up, their level was raised by road scrapings as they were very swampy during the rains and they were newly turfed over. Two large plots round the Monkey House, which were cleared of insignificant and unattractive shrubs and trees last year, were also similarly treated during the year under report and some flower beds were made thereon.

13. A list of new plants added to the collection during the year under report is given in Appendix A.

14. The band performances at the different Municipal Bandstands were given in larger number during the year under report owing to the increased grants allowed for the purpose. Thus there were 16 performances at the Victoria Gardens as compared with 11 in the previous year, whilst at the Esplanade Bandstand there were 47 against 43 in the year before. At the Chowpatty Bandstand however out of a programme of 16 fixtures only 9 performances could be given against 11 in the preceding year owing to the shifting of the Bandstand to its newly acquired site by the Executive Engineer's Department.

15. There were in all 10 performances with admission fees at the Victoria Gardens during the year under report against a similar number in the previous year and the total number of visitors and the receipts collected during these performances were 14,551 and Rs. 1,435-8-6 averaging 1,455 visitors and Rs. 143-8-10 per each performance against 1,499 visitors and Rs. 150-9-2 respectively in the previous year.

16. The best and grateful thanks of ourselves as well as the public are again due to Their Excellencies Lord and Lady Willingdon for their kind consideration and regard for the entertainment of the public by their graciously allowing their Band to play at the different public Bandstands. These performances were as usual eagerly looked for, highly appreciated and better attended than those of the other Bands. Altogether seven performances were arranged during the season of which 4 were at the Esplanade Bandstand and 3 at the Victoria Gardens.

17. I am sorry to say that the special grants of Rs. 10,000 a year provided by the Corporation for Improvement in the Zoological portion of the garden were not utilized in the last year as well as in the year under report. Estimates for providing new enclosures for Deer, &c., and extending and altering the Leopard and Bear cages were made and tenders invited for the works but the cost was so heavy on account of the rise in prices of iron and other building materials that the construction of these works was postponed. Similarly the work of erecting an Iron fence at the northern boundary of the garden, and the fixing of expanded metal to the iron railing of the garden on the Parel Road, to prevent dogs entering the garden at night and injuring the animals, could not be carried out. It was possible however to do some necessary and minor alterations and repairs to some of the cages and enclosures for animals, through the Executive Engineer's Department.

18. One of the large Game Birds' enclosures, where several species of Pheasants had to be kept together, was divided into three compartments by the Deputy Executive Engineer, Mechanical Branch, as many birds were lost year after year by fighting with and injuring each other.

19. The Eight Deer Paddocks which were formerly dusty and became quite muddy during the rains have been now turfed over and are kept green and nice and tidy all the year round. It was of course not possible to accomplish this until after the cutting down of some of the large Rain trees which were planted too close together in these paddocks. The Zebra enclosure which was filled in with soft moorum some years ago became also very slushy during the rains so much so that the animals could hardly walk about. This moorum was removed and an eight inch layer of "rabit" and broken bricks was thrown all over the area which after being rolled and consolidated now presents a firm and clean surface.

20. The Elephant rides which were not given during the first four months of the last year were I am glad to say given continuously throughout the year under report, except during very short intervals, aggregating a total of 51 days, when they were stopped owing to the abscess in the foot of the animal causing fresh trouble. The rides were as popular as ever 7,549 adults and 13,170 children taking advantage of it against 5,353 adults and 8,738 children during the previous year. The receipts were proportionately higher being Rs. 1,357-9-0 against Rs. 955-7-0 of the year before. The Camel rides also showed an increase in their number and receipts, 813 adults and 1,558 children enjoying them during the year under report against 670 adults and 1,456 children in the past year and the fees realised being Rs. 199-0-0 against Rs. 176-8-0 in the year before.

21. A list of additions to the zoological collection by purchase, exchange and presents and the casualties among the animals by disease, accidents and injuries during the year under report are given in Appendix B. The principal gifts during the year were—2 Leopard Cats, 4 Hey's See See Partridges and 4 Persian Gazelles through the Bombay Natural History Society; 1 Leopard by Mr. E. M. Kierander: 1 Leopard cub each by Messrs. C. Collins and W. J. Draper respectively: 3 Leopard cubs by Capt. G. M. Townshend: 1 Persian Gazelle by Lt. R. E. Cheesman: 3 Spotted Deer by Mr. Noormahomed P. Damji; 1 Malbrouk Monkey each by Messrs. B. Plunkett and H. Rahim respectively; an Indian Gazelle by Mr. W. J. Fenely and an Indian Sloth Bear by Mr. R. C. Thomson. Our best thanks are due to all the donors of these animals.

22. Amongst the animals born in the gardens during the year were 1 Red-necked Wallaby, 1 Hog Deer, 2 Sambur Deer, 6 Rhea chicks and 5 Indian Wild Dogs. The last animals were born here for the first time but were unfortunately all carried off within 2 days by an acute attack of Canine Distemper when they were 12 weeks old. I am glad to be able to say that the Rhea chick mentioned in last year's report has turned out into a strong and healthy hen bird and is likely to breed in the near future. One more chick has been saved up to now from the 6 born during the year under report and though it is not a very strong bird is expected to survive.

23. There was no improvement in the condition of trade in wild animals owing to the war and the shipping difficulties, nevertheless some good purchases were made, *viz.*, a fine young African Lion, 2 pairs of Panda or Cat-bears, one Spotted Deer, 4 Black-headed Tragopans and 4 Monaul Pheasants and other smaller birds and mammals. A collection of quite new and interesting animals was also purchased from the Victoria Park at Rangoon. This consisted of a Cassowary, a pair of the rare Thamine or Brow-antlered Deer, a pair of the Burmese Peafowl and a Wallaroo, all of which, except the Cassowary, were exhibited in the gardens for the first time.

24. There were only two exchange transactions during the year, *viz.*, a pair of Indian Sloth Bears sent to the Victoria Park Rangoon in exchange for a pair of young Himalayan Bears received from them and two Indian Antelopes and a Malbrouk Monkey sent to the Travancore Zoo in exchange for some other animals to be received from them in the future.

25. The endemic outbreak of Tuberculosis amongst the animals, reported in the two previous years, fortunately disappeared during the year under report. There were however 3 deaths during the year by this disease amongst the smaller animals all of them being merely sporadic cases.

26. No Anthrax cases appeared during the year under report but a severe outbreak of Rinderpest occurred at the end of January resulting in the death of 8 Nilgais and 8 Indian Antelopes. The outbreak confined itself fortunately to one large enclosure where several kinds of Deer and Antelopes are accommodated. Some of the uncommon kinds were isolated as far as the limited accommodation in the gardens allowed. The losses by good luck were amongst such common animals as the Nilgai and Indian Antelopes which can easily be replaced. All due precautionary measures were taken to prevent the disease from spreading to the other enclosures where the rarer kinds of animals are kept, and the infected enclosure was dug up and thoroughly disinfected, whilst the "cudjan" shed inside it was pulled down and burnt. Two curious facts in connection with the outbreak of this disease in this garden are worth recording. The first is that the outbreak, whenever it comes on, occurs at about the same period, the latter end of January or the beginning of February, and that secondly this period synchronizes with the appearance in the garden for a few weeks of swarms of flies similar to the ordinary house fly, but of much smaller size. These flies infest the bodies of all the deer and antelopes only, especially the larger kinds, such as the Nilgai and Sambur and very likely may have much to do with the outbreak of this disease amongst these animals. When the first outbreak occurred in 1913 some of these flies were caught and sent to the Imperial Entomologist at Pusa for identification and advice but nothing definite was reported. If they should visit us again, which I hope not, they will be properly trapped and sent to Pusa or elsewhere for further and fuller investigation.

27. Amongst the deaths caused by other diseases were a Golden Agouti, a Leopard Cub, a Japanese Fox, a Red-necked Wallaby, a Black-headed Tragopan and a Monaul Pheasant from Streptococcal and Pneumococcal Septicæmia : 2 Hornbills, 1 Gold Pheasant

and one Black-gorgetted Laughing Thrush from Chicken Cholera : a Wild Boar, a Binturong and a Chukor Partridge from Tuberculosis ; one Leopard and a Sloth Bear from Dysentery ; one old Lioness and a Mongoose Lemur from old age and debility ; one Japanese Badger from Paralysis ; one Ostrich from Pneumonia ; one Indian Sloth Bear and a Pelican from Liver disease ; 2 Monaul Pheasants from Aspergillosis and a Siamese Kalij Pheasant, 1 Red-necked Wallaby, 1 Purple Coot, 1 Hog Deer, 1 Indian Otter, 1 Sloth Bear Cub, 1 Leopard, 2 Indian Wild Dogs, and 1 Persian Gazelle and other smaller mammals and birds from accidents and injuries received from other animals.

28. Major W. G. Liston, C.I.E., and his able assistants kindly continued to perform post-mortem and bacteriological examination of dead animals at the Parel Laboratory and gave occasional advice and assistance for which we owe them our best thanks.

29. Our best thanks are again due to the Agents of the G. I. P. and the B. B. & C. I. Railways for their kind favour in issuing free passes for the conveyance of all our animals and their attendants over their systems. The B. I. S. N. Co. also deserve our thanks for conveying free of all charges a pair of Sloth Bears for the Rangoon Zoological Gardens.

30. The Sir Cawasji Jehangir Garden at Mahim continued to be occupied with Health Camps. The Elphinstone Circle Garden was again lent to the Committee of the Women's Branch of the Bombay Presidency War and Relief Fund for four weeks for the Food Exhibition and Fancy Fair held in the Town Hall last November.

31. The estimated and actual expenditure of all the Municipal Gardens during the year under report are shown in the table below :—

Name of Garden.	Budget Grants.			Expenditure.			
	Rs.	a.	p.	Rs.	a.	p.	
				68,343	6	6	Actually spent.
				27,892	3	1	Liabilities incurred.
(*a*) Victoria Gardens	1,00,961	5	11	96,235	9	7	
				4,384	3	2	Actually spent.
				8,795	5	3	Liabilities incurred.
Do. New Works ...	13,347	4	2	13,179	8	5	
				950	2	11	Actually spent.
				255	0	0	Liabilities incurred.
(*b*) Elphinstone Circle Garden ...	1,307	0	0	1,205	2	11	
				144	0	0	Actually spent.
				24	0	0	Liabilities incurred.
(*c*) Falkland Road Garden ...	268	0	0	168	0	0	
				912	3	5	Actually spent.
				50	0	0	Liabilities incurred.
(*d*) Northbrook Garden... ...	1,282	0	0	962	3	5	
(*e*) Sir Cawasji Jehangir Garden at Mahim.	338	0	0	146	13	4	Actually spent.
				323	9	4	Actually spent.
				30	0	0	Liabilities incurred.
(*f*) Bhatia Baug Garden (Victoria square).	478	0	0	353	9	4	
(*g*) Dick's Tank Garden ...	194	0	0	165	1	10	Actually spent.
				3,968	10	5	Actually spent.
				23	6	0	Liabilities incurred.
(*i*) Esplanade Bandstand Green...	4,534	0	0	3,992	0	5	
(*j*) Chowpatty Bandstand ...	1,355	0	0	680	0	0	Actually spent.
(*k*) Flora and Wellington Fountains and the Queen's Statue.	410	0	0	256	8	7	Actually spent.
Total Rs. ...	1,24,474	10	1	1,17,344	9	10	

I have the honour to be,
Sir,
Your most obedient servant,
JAMSHED M. DOCTOR,
Superintendent, Municipal Gardens.

APPENDIX **A.**

LIST OF PLANTS AND SEEDS ADDED TO THE COLLECTION IN 1917-1918.

Names of Plants.	From whom received.
Dendrobium chlorops	Presented by Rev. Father Blatter.
Bauhinia monandra	In exchange from the Superintendent, Empress Gardens, Poona.
Gesnera refulgens	In exchange from the Agri-Horticultural Society of India, Alipur, Calcutta.
Malpighia heteranthera	In exchange from the Director, State Gardens, Gwalior.
Antigonon amabile	
Porana paniculata	
Bougainvillea sp.	
Ficus carica	
Cassia floribunda	
Cycus Rumphii	
Erythrina umbrosa	
Tea Plants	In exchange from Mr. Chatterji.
Euphorbia pulcherrima (pink)	
Heliconia Edwardus Rex	
Dracaena Deremusis Warwickzii	
„ white	
„ red	
Begonia sp.	
Salvia alba	
„ Black Prince	
Allamanda violacea	
Tecoma grandiflora	
Thunbergia Gibsonii	
Dichorisandra thyrsiflora	
Alpinia Sanderae	Purchased from Mrs. W. S. Millard's stall at the Foods Exhibition and Fancy Fair.
Ficus celaticaulis	
Osmanthus fragrans	
Clerodendron ugandense	
Codiaeum (Croton) variegatum Spotted leaves	
Medinilla magnifica	
Tococa sp.	
Miconia Hookeriana	
Begonia sp.	
Alocasia argyraea	
Coleus sp.	
Ruellia speciosa	
Magnolia	
Cyrtostachys Renda	
Codiaeum (Croton) variegatum Beauty	Purchased from Messrs. M. Mooniswamy and Sons, Bangalore.
„ („) „ aucubaefolium giganteum.	
„ („) „ aucubaefolium giganteum new seedling.	
„ („) „ Challenger	
„ („) „ Cooperi	
„ („) „ Brown de White side.	
„ („) „ „ Paxtoni	
„ („) „ Black Prince	
„ („) „ Day spring	
„ („) „ Czar	
„ („) „ excelsior	
„ („) „ Gladstonii	
„ („) „ grande	
„ („) „ Foxii	
„ („) „ imperator	
„ („) „ Kingianus	
„ („) „ Karingranus	
„ („) „ Magnolifolium	
„ („) „ Nestor	
„ („) „ Parkerii	
„ („) „ Prince of Orange	
„ („) „ Prince of Wales	
„ („) „ recurvifolium	
„ („) „ Shephardii	
„ („) „ Sunset	
„ („) „ Schomburghianum	
„ („) „ Rheedii	
„ („) „ Veitchii No. 1	
„ („) „ Warrenii	
„ („) „ Trilobus Lord Cairns.	
„ („) „ Beauty Seedlings	

JAMSHED M. DOCTOR,

Superintendent, Municipal Gardens.

APPENDIX B.

List of increase and decrease of animals in the Victoria Gardens Zoo. during 1917-18.

A.—The following were added to the collection during the year under report :—

PRESENTED.

1	Leopard Cub ...	Presented by Mr. C. Collins.
3	,, Cubs ...	,, ,, Capt. G. M. Townshend.
1	Indian Antelope	,, ,, Mr. M. C. Setalwad.
1	Do. do.	,, ,, ,, M. Elst.
1	Leopard Cub ...	,, ,, ,, W. J. Draper.
1	Malbrouk Monkey	,, ,, ,, B. Plunkett.
1	Leopard ...	,, ,, ,, E. M. Kierander.
1	Malbrouk Monkey	,, ,, ,, H. Rahim.
2	Leopard Cats ...	,, ,, The Bombay Natural History Society.
1	Persian Gazelle	,, ,, Lt. R. E. Cheesman, through the Bombay Natural History Society.
1	Indian Gazelle	,, ,, Mr. W. J. Fenely.
1	Hyæna ...	,, ,, ,, Imorioka.
4	Hey's See See Partridges	,, The Bombay Natural History Society.
1	Indian Antelope	,, The Station Master, Surat.
1	Do. do.	,, Mr. N. A. Moos.
1	Do. do.	,, ,, A. R. Brooker.
1	Persian Gazelle	,, ,, ,, Do.
1	Indian Antelope	,, ,, ,, Kasamally Jairajbhoy.
1	Indian Sloth Bear	,, ,, ,, R. C. Thomson.
3	Spotted Deer ...	,, ,, ,, Noormahomed P. Damji.
2	Indian Antelopes	,, ,, ,, C. Collins
4	Persian Gazelles	,, ,, The Bombay Natural History Society.
1	Indian Antelope	,, ,, Mr. O. D. Wharton.
1	Do. do.	,, ,, ,, Hossainbhoy Ahmedbhoy.

BORN IN THE GARDENS.

1 Red-necked Wallaby.	2 Sambur Deer.
1 Hog Deer.	5 Wild Dogs.
1 Indian Antelope.	6 Rhea chicks.

PURCHASED.

1 Lion.	2 Indian Tree-pies.
1 Spotted Deer.	6 White-eared Bulbuls.
2 Thamine Deer.	6 Red-vented Bulbuls.
1 Wallaroo.	12 Black-headed Mynas.
1 Cassowary.	9 Indian Grackle Mynas.
2 Burmese Peafowls.	2 Pied Mynas.
2 Common Mynas.	4 Panda or Cat-bears.
4 Black-headed Tragopans.	4 Himalayan Monaul Pheasants.

RECEIVED IN EXCHANGE.

2 Himalayan Black Bears.	From the Rangoon Zoological Park.

GIVEN IN EXCHANGE.

2 Indian Sloth Bears.	To The Rangoon Zoological Park.
2 Indian Antelopes.	To the Travancore Zoo
1 Malbrouk Monkey.	

B.—The following were among those that died or were destroyed during the year under report :—

1 Lioness.	3 Indian Sloth Bears.
1 Leopard.	9 Indian Antelopes (of Rinderpest)
1 Binturong.	1 Indian Gazelle.
1 Golden Agouti.	2 Persian Gazelles.
1 Indian Otter.	9 Nilgais (of Rinderpest).
1 Japanese Fox.	1 Hog Deer.
2 Wild Dogs.	1 Spotted Deer
1 Japanese Badger.	2 Red necked Wallabies.
3 Small Pied Hornbills.	2 Kalij Pheasants.
1 Concave Hornbill.	3 Himalayan Monals.
1 Black Gorgetted Laughing Thrush.	1 Black-headed Tragopan.
1 Indian Tree-pie.	1 Ostrich.

JAMSHED M. DOCTOR,

Superintendent, Municipal Gardens.

VICTORIA AND ALBERT MUSEUM.

REPORT OF THE CURATOR AND SECRETARY, VICTORIA AND ALBERT MUSEUM, RECEIVED UNDER HIS No. C. M. 3, DATED 1ST OF APRIL 1918.

SIR,

I have the honour to submit the Annual Report of the Victoria and Albert Museum for the year ending 31st March 1918.

No. of Visitors. The following table gives the comparative attendance of visitors to the Museum during the years 1916-1917 and 1917-1918:—

Year.	No. of days the Museum was open.	No. of visitors in the year.	Daily average.
1916-1917	313	762,144	2,442
1917-1918	313	883,914	2,824

It will be seen that during the year under report, there has been an increase of nearly 1,21,770 in the number of visitors as compared with that for the previous year.

Office. The Curator and Secretary was on leave during the year from the 2nd of July 1917 to the 1st of September 1917, when Mr. E. R. Fern, Superintendent of Pottery at the Sir George Clarke Technical Laboratory, acted for him.

Building. Broken panels in the railing round the gallery and the stair-case were replaced by new ones, the pattern for the same being prepared at the Reay Art Workshop at the Sir J. J. School of Art, Bombay.

With a view to minimise as far as possible chances of thefts occurring at the Museum, the windows on the ground floor of the building were provided with W. I. grills.

General Equipment. A teakwood stand for the frame of a large Map of the Island of Bombay was prepared at the Municipal Workshop.

Natural History. A case to contain specimens of Indian Bears is in course of preparation. The specimens to be exhibited, have been stuffed and mounted at the Museum, and will be shown in the midst of their natural surroundings.

The bodies of the following animals were received from the Superintendent of Victoria Garden:—

2 Rhea chicks, 1 white crested Cockatoo, 1 Pelican, 1 young Nilgai, 1 Dove, 1 Gold Agonti, 4 Leopard cubs, 1 Red-necked Wallaby, 1 Gold Pheasant, 1 Indian Sloth Bear, 1 small pied Hornbill, 1 Indian Otter, 1 Indian Crocodile, 1 Male Ostrich, 1 Japanese Badger, 1 Leopard and 1 Indian Antelope.

These were skinned, cured, and mounted by the Museum Taxidermist.

Industrial Section. About ten specimens of pottery manufactured at the Pottery Department of the Sir George Clarke Technical Laboratory were purchased and exhibited in the case containing specimens of Pottery.

A case containing models in crystal of the most famous historic diamonds of the world has been added to the collections.

The War.

The large model made to illustrate a modern land battle in a more realistic manner than is possible by means of a picture has proved so attractive to visitors that it was decided to construct a similar model of a battle at sea. The assistance of Captain A. W. Webb, an expert in making models of battleships, etc., was obtained and he has made about seventy models of different types of British and German Battleships, Battle Cruisers, Light Cruisers, Torpedo Boat Destroyers, Sub-marines, Zeppelins, British Mine-sweepers, British Trawlers, British Fishing Smacks, and British and German Hydroplanes. The Battleships, etc., have been arranged to illustrate a naval fight between the British and German Fleets, whilst models of Zeppelins and planes are suspended in the case to illustrate their methods of attacking a hostile fleet.

As a record of Bombay's part in the War, it was decided to take photographs of the Hospitals and Camps erected in the City for Military Regiments and Labour Corps stationed in Bombay. Permission was readily given by the Military Authorities and the 1st Assistant Mr. Chunilal has taken photographs of the Lady Hardinge War Hospital, the Military Camp and Hospital at Marine Lines and the Labour Corps Camp and Hospital at Dadar.

About eighty-five models of figures, each representing an unit of an Indian Regiment were added during the year under report. The whole collection will be exhibited, when the cases ordered for it, are received, but owing to the difficulty of obtaining plate glass, considerable delay must occur.

Collection of pictures illustrating the past history of Bombay.

The principal work in connection with the Old Bombay Room has been the completion of a descriptive catalogue of the entire collection. This collection now consists of 19 maps, and 2 relief maps of the Island of Bombay, 233 photographs and drawings of views and buildings taken in the 16th, 17th, 18th and 19th centuries, 24 photographs of the past Governors of Bombay, 21 pictures of East Indiamen, 15 portraits of Naval and Military Officers, 12 portraits of Civil Officers and 8 photographs of Kings and Queens of England, all connected with the History of Bombay. The above records have been framed in 175 separate frames, which are placed upon the walls of the north-eastern and north-western galleries. As soon as the catalogue is printed these galleries will be opened to the public.

The work of printing the catalogue and illustrating the same with a few illustrations is now in hand.

During the year under report 15 photographs of pictures relating to the past history of Bombay were purchased.

The Chairman of the Bombay City Improvement Trust kindly lent one hundred and thirty-four negatives of photographs taken of the different parts of the City, where operations had been carried on by the Trust. Bromide prints have been made from them by the 1st Assistant.

A plan of the Town Hall in Bombay was kindly supplied by the Executive Engineer, Presidency.

A photograph of a pencil sketch by Lord Colville of Sir George Russel Clerk (Governor of Bombay, 1847-48) was presented to the Museum by his grandson, Sir G. R. Clerk, C.B., K.C.M.G.

A photogravure of General Medows (Governor of Bombay, 1788-1790) published in Love's "Catalogue of Pictures in the Government House at Madras" was presented to the Museum by the Government of Madras.

A photograph taken from the original painting by Gainsborough of Sir E. Nepean (Governor of Bombay, 1812-1819) was presented to the Museum by Sir C. Nepean, Bart., through the kind offices of the Registrar and Superintendent of Records at the India Office, London.

His Excellency Lord Willingdon was pleased to allow photographs of the Government House, Malabar Point, to be taken for the collection.

Mr. S. T. Sheppard presented the Museum with a photograph of Sir Henry Oxenden, Deputy Governor of Bombay, 1669.

The Library.

The following books were purchased for the Museum Library during the year:—

Times History of the War, Nos. 126-200; Chamber's Biographical Dictionary; Buckland's Dictionary of Indian Biography; Gems; Bombay Place Names; Keigwin's Rebellion; Memorial of the Parsee and Muhammadan Riots; Criminal Life in Bombay; V. A. Smith's Akbar; V. A. Smith's Early History of India; Indian Directory; Agreement of the Customs of the East Indies, Round about Bombay, Glimpses of Old Bombay, Early History of Bombay; A Diary kept in India; South-Indian Gods and Goddesses; Book of Madras Exhibition; Our Troubles in Poona and the Deccan, Chow-Chow by Lady Falkland, Heber's Narrative of a Journey through Hindustan and Native Vessels in India and Ceylon.

A book on "Beejapur Architecture" was presented to the Museum by the Government of Bombay.

Printing of labels.

Descriptive labels of the specimens of "Copper and Brass articles," of "Indian Musical Instruments", of "Clothes", of "Dredgers", and of "Fishing Nets used in the Bombay Presidency" were printed and put up in the respective cases containing the specimens, and a number of small labels for the frames in the Old Bombay Room were printed during the year under report.

As I am retiring from my post as Curator and Secretary, which I have held since 1903, it may not be altogether out of place to review in a few sentences, the history of Museum since that date: to re-state the principles upon which its re-organization was undertaken by me; and to note how far the objects then set forth have been achieved. Without attempting to gain cheap credit for myself by reflecting upon the work of my predecessors, it may be stated without fear of contradiction that the condition of the Museum in 1903 was unsatisfactory. The collections professed to be scientifically arranged, but were without labels, they covered a wide field of subjects, but most of these were inadequately represented, and were without expert supervision, as a whole the specimens were damaged, were duplicated, and many of them were entirely unprotected by cases, while such cases as the Museum contained were ancient and decayed. The consequence was that while scientific visitors failed to obtain the special information they expected, the general public were depressed rather than entertained by a visit to the Museum, which had unquestionably, a shabby and neglected air. When the late Mr. W. L. Harvey invited me to undertake the duties of Curator I saw that it was hopeless to expect to carry on the Museum as a purely scientific one, unless each section had the supervision of an expert. The funds for such an extension of the staff were not available, and the only alternative therefore was to reorganize the Museum upon a popular basis by making the collections as interesting and instructive as possible to the ordinary visitors and to improve the equipment and general organization of the Museum until it reached a standard which should be attractive to the public, and a credit to the Municipal Corporation. This, I am aware, is not the highest function of a Museum; but as success had not been attained hitherto, I felt it was better to do well upon a lower level, than fail in attempting the higher. Thanks to the support I have received from successive Municipal Commissioners, the Museum has been entirely refurnished with excellent specimen cases, and thanks to the whole-hearted assistance I have received from the staff of the Museum, the contents of the cases have been arranged and labelled in a manner which the public appear to greatly appreciate, judging from the numbers who visit the Museum. The work has been slowly done, but the progress has been steady and I do not feel I am overstating the position when I say that no Museum in India at the present time is better equipped, is in a better condition, or has specimens better kept than that with which I am now severing my connection. For this result I only claim the credit of direction and supervision, the main burden of carrying out the improvements and maintaining them has fallen upon Mr. Pai, the Assistant Curator, and the staff under him among whom Mr. Chunilal may be mentioned as having done excellent work. Without their loyal and intelligent assistance, improvement would have been impossible, and it gives me the greatest pleasure to acknowledge the debt I owe them and to bring their services to your favourable notice.

I have the honour to be,
Sir,
Your most obedient servant,

CECIL L. BURNS,
Curator and Secretary.

No. S/250 of 1918-19.

From

E. J. HALE, Esq.,

Storekeeper, Municipality,

To

The MUNICIPAL COMMISSIONER,

For the City of Bombay.

Municipal Stores Office,

Bombay, 6th June 1918.

Sir,

I have the honour to submit the Annual Administration Report of the Stores Department for the year 1917-18.

The market was throughout the year in a very unsettled state owing to the reduction of local stocks and the inability of merchants to replenish them due to the shortage of shipping, the scarcity of railway waggons and the Government embargo on the export of certain articles in consequence of which rates ruled very high. The situation in the last two months of the year became so acute that the Municipal Commissioner considered it advisable to relieve the Annual Contractors from supplying articles for stock. It was impossible to obtain certain articles of the sizes and descriptions required and it was found necessary to find substitutes; for example Indian instead of British made Stoneware pipes. It was impossible to obtain Meter fittings owing to Government action at Home in taking over the important factories, so the Hydraulic Engineer has arranged to make such parts as may be urgently required in his workshops. Advantage was taken of the arrival of a large consignment of cast iron pipes for Messrs. Turner Hoare & Co. by the Hydraulic Engineer and they were purchased through the Stores Department at favourable rates and thus some important waterworks will be carried out.

The vacant plot of land at the Bellasis Bridge Pipe Depôt admeasuring 5,433 square yards was leased as usual for cultivation purposes for the four months ending 31st October 1917 for Rs. 360 against Rs. 405 realised in the previous year.

The ground at Central Stores on which full pesterine drums are stacked was paved thus saving a quantity of pesterine which was formerly wasted.

Owing to the restrictions in the use of tins for kerosine oil it was found necessary to construct tanks for the storage of 125 degree kerosine oil.

Statements showing the Annual and Special Contracts entered into during the year as well as important quotations invited have been embodied herein as usual.

The Annual verification of Stores was carried out during the year by an outsider appointed by the Commissioner. Applications were invited for the work by public advertisement. Mr. A. B. Simkins was selected for the post. By the close of the year he completed verification of the stores at Central Stores and B. B. Pipe Depôt but owing to ill health he has not been able to complete the verification at Foras Road Depôt. The result so far is satisfactory. The question of further verification will shortly be taken up.

The Stores Vocabulary prepared by Mr. Simkins is in the press awaiting binding and will be out shortly.

The work of preparing lists of standard samples is kept in abeyance owing to the pressure of work and to the difficulty in getting suitable samples due to war.

From appendix D showing the opening and closing balances and the purchase and issue during the year under report it will be seen that as compared with the closing balance of 31st March 1917, there is an increase of Rs. 1,12,840-10-1 due principally to heavy purchases of

Cast Iron Pipes, Cement, and Stoneware Pipes at the close of the year for use during the next year and also to the high rates of stores due to war crisis. The gross increase aggregated Rs. 1,18,832-8-0 against which there were also decreases amounting to Rs. 5,991-13-11.

The value of the Surplus and Obsolete Stores of the Waterworks and Drainage Departments is reduced only by Rs. 92-15-8 as compared with the previous year. It appears that it will take long time before this kind of stores will totally disappear.

An increase of Rs. 12,221-11-4 is shown in the Line Suspense Stores in charge of the different Inspectors of the Waterworks Department on the 31st March 1918 as compared with the opening balance of 1917-18. This is due to the transfer of 32" C. I. Pipes for Mahim Foreshore work. The question of bringing on Line Suspense Stores articles found surplus in the different districts outside Bombay and those remaining unused on the completion of Tansa Duplication works is under correspondence with the Water Department.

I have the honour to be,

Sir,

Your most obedient servant,

E. J. HALE,

Storekeeper.

APPENDIX **A.**

General Contracts for 1917-18.

Schedule No.	Name of the Article.	Name of the Contractor.
1	Axes, Pick, Hardy Patent	Messrs. Hassanalli Adamji & Co.
2	„ „ Shovels, Spades, &c.	„ „ „
3	Baskets, Bamboo	„ „ „
4	„ Cane and Cane	Mr. Tyeballi Hakimji Neterwalla.
5	Belting	Messrs. John Fleming & Co.
6	Bins, Sanitary	„ Hasanalli Adamji & Co.
7	Bolts with Nuts	„ „ „
8	Brooms and Ribs, Goa	„ Bhawoo Kashinath & Co.
9	Brushes	„ Hassanalli Adamji & Co.
10	Canvas	„ „ „
11	Capes and Coats, Water-proof	„ Bhawoo Kashinath & Co.
12	Carriage fittings and harness	„ Cursetji Rustomji & Co.
13	Charcoal and Firewood	„ Hassanalli Adamji & Co.
14	Cloth, Dungry	„ Bhawoo Kashinath & Co.
15	Crockery, Glassware & Lampware	„ Hassanalli Adamji & Co.
16	Cutlery	„ „ „
17	Electric Goods	„ Cursetji Rustomji & Co.
18	Files and Rasps	„ Macbeth Brothers & Co.
19	Globes, Glass Pine	„ Hassanalli Adamji & Co.
20	Grease and Oils	„ Vacuum Oil Co.
21	Hardware	„ Hassanalli Adamji & Co.
22	Leather Goods	„ „ „
23	Leather Hide, Country and Europe	„ „ „
24	Line, Coir	„ „ „
25	Locks, Brass and Iron	„ „ „
26	Metals	„ Cursetji Rustomji & Co.
27	Miscellaneous Articles	„ „ „
28	Motor Accessories	The Automobile Co.
29	Nails for Bullock Shoes, Pins, Shoes and Washers	Messrs. Hassanalli Adamji & Co.
30	Nails and Screws	„ „ „
31	Nose Strings	„ „ „
32	Nuts, Rivets and Washers	„ „ „
33	Oils, Castor and Sweet	„ Manji Hirjee & Co.
34	Oil, Cocoanut	„ „ „
35	„ Kerosine and Petrol	The Asiatic Petroleum Co.
36	„ Linseed	Messrs. Andrew Yulle & Co.
37	Spirit of Turpentine	„ Wilkinson, Heywood & Clark.
38	Oils, Lubricating	„ Vacuum Oil Co.
39	Oil, Paint, Varnish, &c.	„ Hasanalli Adamji & Co.
40	Packings	„ „ „
41	Paulin Canvas	„ „ „
42	Paints	„ Wilkinson, Heywood & Clark, Ltd.
43	Pans and Pots, Earthen	„ Cursetji Rustomji & Co.
44	Pitch and Tar	„ Hassanalli Adamji & Co.
45	Plumbers' Stores	„ „ „
46	Rope, Coir and Rubber, Hand	„ „ „
47	„ Cotton	„ „ „
48	„ Manilla	„ „ „
49	Rubber Goods	„ „ „
50	Salt, Soap and Soda	„ „ „
51	Shafts, Wooden	„ „ „
52	Shipchandlers' Stores	„ „ „
53	Steel Cast	„ Bhawoo Kashinath & Co.
54	„ Spring	„ Hassanalli Adamji & Co.
55	Testers, Smoke	„ „ „

APPENDIX **A**—*concluded.*

Schedule No.	Name of the Article.	Name of the Contractor.
56	Tools	Messrs. Hassanalli Adamji & Co.
57	Tubes and Tyres for Motors	The Automobile Co.
58	Waste Cotton	Messrs. Hassanalli Adamji & Co.
59	Yarn	,, ,, ,,
60	Blankets or Cumblees...	,, Tippana Laxuman & Co.
61	Hose Canvas, ordinary	,, Hassanalli Adamji & Co.
62	,, ,, ...	,, John Fleming & Co.
63	Umbrellas	,, Hassanalli Adamji & Co.
64	Hose or Powras	,, ,, ,,
65	Hose, Rubber	,, John Fleming & Co.
66	,, ,, ...	,, Turner, Hoare & Co.
67	Iron and Steel	,, Chaganlal & Co.
68	Lead, Pig	,, Ebrahim Mahomedalli & Co.
69	Coats, Water-proof	,, Bhawoo Kashinath & Co.
70	Iron Castings, General	Mr. Meheralli Harjee.
71	,, for Workshops	Messrs. Alcock Ashdown & Co.
72	Timber	,, Karim Ayub & Co.
73	Clothing to Peons and others	,, Bhawoo Kashinath & Co.
74	Clothing for Hospitals	,, Hassanally Adamji & Co.

E. J. HALE,
Storekeeper.

APPENDIX **B.**

Special Contracts for 1917-18.

No.	Name of the Article.	Name of the Contractor.	Amount. Rs.	a.	p.
1	Stoneware Pipes, 15"	Mr. Ardeshir R. Subedar ...	2,975	0	0
2	Mild Steel Racks	Messrs. Marsland Price & Co. ...	1,062	8	0
3	Zondo Fluid	,, W. Crowder & Co. ...	12,250	0	0
4	3" C. I. Sluice Valves	,, James Simson & Co. ...	870	0	0
5	Carbolic Disinfectant Powder ...	,, Treacher & Co.	660	0	0
6	W. I. Galvanized Pipes and Fittings.	,, W. H. Brady & Co., Ltd.	3,620	15	0
7	Izal Powder	,, Thomson & Taylor ...	11,700	0	0
8	New Closeable Gratings ...	,, Richardson and Cruddas.	2,250	0	0
9	Indian Portland Cement ...	The Katni Cement and Industrial Co.	54,000	0	0
10	Turnorine Valve Faces	Messrs. Turner Hoare & Co. ...	3,265	10	0
11	Indian Portland Cement ..	The Bundi Hydraulic Lime and Cement Co.	54,000	0	0
12	S. W. Pipes and Fittings ...	The Bombay Building Material Trading Co.	17,873	3	0
13	S. W. Pipes, 9" × 2'	Mr. A. R. Subedar	4,168	12	0
14	Calicut Teak Logs	Messrs. Karim Ayub & Co. ...	4,477	0	0
15	Closeable Gratings	,, Richardson & Cruddas...	9,360	0	0
16	S. W. Pipes, 7" × 2'	,, Warner & Co., Ltd. ..	562	8	0
17	Cast Iron Pipes	The Universal Agency Co. ...	30,281	8	0
18	Benteak Logs	Mr. Oghadbhai Nimji Mehta. .	1,600	0	0
19	Cultivation and cutting grass at B. B. Pipe Depot.	Mr. Rukhad Premjee	360	0	0

E. J. HALE,
Storekeeper.

APPENDIX C.

IMPORTANT QUOTATIONS INVITED DURING 1917-18.

Serial No.	Names of Articles.	Quantity.
1	Kail-wood scantlings	240 Nos.
2	India rubber valve faces	1,000 lbs.
3	Cast iron pipes, 3″ × 9′	140 Nos.
4	„ „ sluice valves, 4″	8 „
5	„ „ „ „ 3″	6 „
6	Stewart speedometer	26 „
7	Rolled steel beam and steel mild bars	13 „
8	Spindle socket and plunger and cams	450 „
9	Distemper paint, blue and green	2 cwts.
10	Iron safes	2 Nos.
11	Brass sheets	5 sheets.
12	Water-proof coats, Abbott of sizes	11 Nos.
13	Discs rubber, for hand pump	12 „
14	Steel mild flat, etc., of sizes	18 bars.
15	„ „ angles	4 „
16	Iron sheets, galvanized, plain and corrugated	39 sheets.
17	Zinc sheet, perforated	5 „
18	Harness, horse, single	2 sets.
19	Grease cup, brass	6 dozs.
20	Wrought iron plates	1 No.
21	Wing pump, iron	2 Nos.
22	Mattresses, Mackintosh, stuffed with coir	6 „
23	Plug sparkling, Bosch	12 „
24	Privy receptacles, iron	20 „
25	Sight feed lubricator	1 No.
26	Troughs, feeding, iron	2 Nos.
27	Tube expander	2 „
28	Fencing wire, galvanized	1 cwt.
29	Flags, Union Jack	3 Nos.
30	Harness, horse, single	1 set.
31	Mantles, incandescent, large	2 dozs.
32	Boiler tubes and steel pipes	2 Nos.
33	Asbestos, Bonnet packing	6 dozs.
34	Washers, steel patent	1½ gross.
35	Comb screws	4 „
36	Burners, brass primus stove	36 Nos.
37	Packing water gasket bells	3 qrs.
38	Buckets, galvanized, 13″, ordinary	100 Nos.
39	Latha chuck	1 No.
40	Tube expander and dies (extra), gas	3 Nos.
41	Screws, coach	70 dozs.
42	„ iron set bright	27 „
43	Pipe, copper and zinc sheet	2 Nos.
44	Valve, steam stop gun-metal, Hopkinson	4 „
45	Pipe, W. I. steam and water quality, 2″	1,500 „
46	Steel, mild flat	6 bars.
47	Bricks, fire, Europe	300 Nos.
48	Glasses lubricators	3 dozs.
49	Side and tail lamps	10 Nos.
50	Baskets, cane	66 „
51	Metal, expanded	1 sheet,
52	Twine and rope, cotton	5 cwts.
53	Buckets, galvanized, ordinary	610 Nos.
54	Canvas, Royal Navy, No. 1	1 bolt.
55	Side and tail lamps	2 dozs
56	Rope, hemp, country	1 cwt.

APPENDIX C—*continued.*

Serial No.	Names of Articles.	Quantity.
57	Files, bastard, smooth and half-round, of sizes	117 Nos.
58	Rope, cotton, country, of sizes	4 cwts.
59	Washers, steel spring of sizes	432 Nos.
60	Cast iron hinged covers, 9″ × 9″	100 „
61	Hose, canvas, 3″	50 ft.
62	Tube, boiler, steel mild	4 Nos.
63	Paulin, made of Faraday natural proofed canvas	1 piece.
64	Horns for motor car	6 Nos.
65	Armies range stove	2 „
66	Pipe, wrought hydraulic	1 No.
67	Canvas hose, 1″	150 ft.
68	Lucas' motor side lamps	2 Nos.
69	Soda, washing	14 cwts.
70	Biternit sheets	100 Nos.
71	Mattresses, coir	6 „
72	Red Vulcanized fibre	20 sheets.
73	Calcium carbide	2 cwts.
74	Lubricator, glass needle, washers, steel and drills, steel	320 Nos.
75	Steel cast miners and hoops	6½ cwts.
76	Taps, Chatwins Whitworths taper second, plug, &c., of sizes	11 Nos.
77	Packing of sizes	3 qrs.
78	Washers, steel and drills, steel	458 Nos.
79	Lubricator cup glass needles	24 „
80	Burners, brass, for Primus stove	36 „
81	Wrought iron socket pipes and bends, &c.	11 „
82	Nails, iron, bullock shoes	19 cwts.
83	Calcium carbide	1 cwt.
84	Leather, hide, Europe	1 hide.
85	Copper, scrap	5 cwts.
86	Cane cots	50 Nos.
87	Copper pipes and sockets, &c.	5 „
88	Compressed fibre sheets and asbestos sheets, of sizes	1½ cwts.
89	Canvas flax, Europe	20 bolts.
90	Stop, ferrule, gunmetal, 1½″	5 Nos.
91	Pipe, wrought iron, flanges and bends, &c.	10 „
92	Galvanized corrugated iron sheets	10 „
93	Steel mild flat and channel	3 bars.
94	„ „ „ of sizes	70 „
95	„ „ plates	2 Nos.
96	„ „ angles	2 bars.
97	„ „ flat and square	18 „
98	Galvanized iron corrugated sheets	50 Nos.
99	Galvanized, corrugated iron plates and steel mild plates	22 „
100	Steel mild flat and steel spring	8 bars.
101	„ „ plates and zinc sheets	4 Nos.
102	„ „ „ „ „ „	2 „
103	„ „ flat	1 bar.
104	Rivets, wrought iron	1 cwt.
105	Steel mild flat and half-round	40 bars.
106	„ „ round	1 bar.
107	„ „ flat and round	14 bars.
108	„ „ „ „ Tyre bars	66 „
109	„ „ „ „ „ „	12 „
110	„ „ plates	3 Nos.
111	„ „ flat	8 bars.
112	Iron galvanized plain sheets	3 Nos.
113	„ „ corrugated sheets	12 cwts.
114	Steel mild flat	6 bars.
115	„ „ plates	52 Nos.

APPENDIX C—*concluded.*

Serial No.	Names of Articles.	Quantity.
116	Steel mild flat...	7 bars.
117	„ „ „	3 „
118	Brass plate	1 No.
119	Steel mild flat, T angles, &c., of sizes	11 bars.
120	Iron galvanized plain sheets...	9 Nos.
121	Steel mild flat...	4 bars.
122	„ „ plates	6 Nos.
123	„ „ round 4″	1 No.
124	„ „ and carriage springs	10 bars.
125	Expanded metal	1 No.
126	Stoneware bends, junctions, &c.	33 Nos.
127	Cast iron soil pipe and bend	14 „
128	„ „ pipe, 6″ × 9′	10 „
129	Stoneware pipes, 6″ × 2′	3,000 „
130	Cast iron pipes, 6″ × 9′	50 „
131	„ „ „ 9″ × 9′	20 „
132	„ „ „ 9″ × 9′	16 „
133	„ „ special castings	1 No.
134	„ „ Purdah	100 Nos.
135	Solid die stock	22 „

E. J. HALE,

Storekeeper, Municipality.

APPENDIX D.

Particulars.	General Stores.	Surplus and Obsolete Stores.	Line Suspense Account.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Value of Stores on hand on 1st April 1917	4,30,697 15 2	3,182 8 0	89,175 1 0	5,23,055 8 2
Value of Stores Receipts, including transfers, during 1917-18	9,37,027 11 7	4 4 4	27,977 8 0	9,65,009 7 11
Total value ...	13,67,725 10 9	3,186 12 4	1,17,152 9 0	14,88,065 0 1
Less—				
Value of Stores issues, including transfers, during 1917-18	8,24,201 0 3	97 4 0	15,755 12 8	8,40,054 0 11
Balance ...	5,43,524 10 6	3,089 8 4	1,01,396 12 4	6,48,010 15 2
Add—				
Discrepancies adjusted as per Clause 29 of the Stores and Stores Audit Manual against Rate Adjustment Account.	13 14 9	....	.....	13 14 9
Value of Stores on hand on the 31st March 1918	5,43,538 9 3	3,089 8 4	1,01,396 12 4	6,48,024 13 11

E. J. HALE,
Storekeeper.

LICENSE DEPARTMENT.

I have the honour to submit my Annual Report for the year 1917-18.

2. Licenses issued during the year numbered 12,430. The total Revenue collected amounted to Rs. 1,29,484-6-0.

3. I append Statements A and B showing the amounts collected under each head of licensable trade.

4. The fees remaining to be recovered amounted to Rs. 685-4-0.

5. The miscellaneous receipts amounted to Rs. 99-14-9.

6. In 135 cases refunds of license fees amounting to Rs. 1,392-4-0 were allowed.

7. The total fines inflicted by the Presidency Magistrates in 885 prosecutions conducted during the year against persons carrying on trades subject to licenses, without licenses and for infringing conditions of licenses amounted to Rs. 15,951-4-0.

8. During the year under report licenses were for the first time issued for the following:—

Keeping Eating Houses.

„ Methylated Spirit.

„ Gunny bags for sale or for other than domestic use.

9. The Municipal Act is to be amended so as to make the storage of the following commodities licensable:—

Bidi Leaves.
Paper stored for sale as wastepaper.
Ghee.
Celluloid, Celluloid Goods.
} in quantity exceeding 4 cwts.

Also Cinematograph Films in quantity exceeding 20 lbs.

10. The revenue collected during the year under report is the largest recorded. Owing to the constantly increasing number of licensable undertakings, the License Department, although primarily intended for controlling dangerous and offensive trades and operations, bids fair to become a revenue earning branch of the Municipality.

I have the honour to be,
Sir,
Your most obedient servant
H. WALD,
Superintendent of Licenses.

A.

Yearly total of License fees recovered during 1917-1918.

No. of Licenses.	Nature of Trade.	License fees. Rs	a.
42	Aerated Water (manufacturing)	837	10
26	Ashes	245	0
183	Bakeries...	3,660	0
2	Bones	20	0
6	Bricks (manufacturing) (hand-made)	41	4
4	Candles (do.) (do.)	72	8
14	Carbide of Calcium (retail)	70	0
8	Do. do. (wholesale)	212	8
1	Catgut	15	0
558	Charcoal	5,265	4
148	Chemical preparations	2,149	12
228	Cloths in Indigo and other colours dyeing (hand power)	1,721	4
13	Do. do. do. (mechanical power) ...	390	0
325	Coal and Coke	3,978	0
69	Cocoanut Fibre, Flax, Hemp and Jute...	903	8
67	Cotton (cleaning)	1,092	8
297	Cotton Seed Refuse or Waste	4,531	8
26	Cow-dung Cakes (manufacturing)	337	8
118	Dammer, Tar or Pitch	1,387	8
1	Dynamite	30	0
1,144	Eating Houses	8,697	12
34	Fat and Tallow	483	12
8	Fins (dried)	108	12
32	Fish (do.)	399	4
172	Fireworks (retail)	435	0
118	Do. (wholesale)	1,115	0
184	Firewood (retail)	360	4
716	Do. (wholesale)	8,053	8
7	Gas (manufacturing)	210	0
4,551	Carried over ...	46,823	14

Yearly total of License fees recovered during 1917-1918—*concluded.*

No. of Licenses.	Nature of Trade.	License fees.
		Rs. a.
4,551	Brought forward ...	46,823 14
6	Ghee (manufacturing)	65 0
241	Grain (parching)	359 4
338	Gunny bags	1,797 0
78	Gunpowder (retail)	532 8
5	Do. (wholesale)	108 12
221	Hay, Straw and Grass	3,457 0
80	Hides and Skins (dried)...	431 4
27	Do. (raw) (keeping)	636 4
45	Do. (tanneries)	4,017 8
18	Horns and Hoofs	292 8
87	Lime for burning (lime kiln)	1,512 8
996	Matches (retail)	1,371 12
71	Do. (wholesale)	4,335 12
93	Do. (Bengal lights) (retail)	123 12
4	Do. (do.) (wholesale)	14 2
212	Metals (casting)	2,663 0
53	Methylated spirit	396 4
1,072	Noisy Trades	2,475 12
729	Oil (keeping)	10,043 8
2	Paper (manufacturing)	30 0
116	Permits under Section 390	2,850 0
45	Petroleum (non-dangerous, under Petroleum Act) (kerosine oil) (retail)	132 12
77	Do. (non-dangerous, under Petroleum Act) (kerosine oil) (wholesale)	1,992 8
66	Do. (dangerous, under Petroleum Act)	187 4
18	Pottery (manufacturing)	52 8
36	Rags	480 0
39	Saltpetre	193 12
2	Smelteries	12 0
33	Soap (manufacturing)	645 0
24	Sugar Refineries	600 0
54	Stables for Horses	2,863 12
122	Do. Milch Cattle	10,241 4
138	Do. Bullocks	2,241 4
17	Do. other four-footed animals	17 0
2,424	Timber	22,276 14
123	Turpentine (retail)	587 8
43	Do. (wholesale)	625 0
40	Whistles (steam)	395 0
59	Wool	1,107 8
.....	Licenses transferred	153 0
4	Special licenses under Section 394 (1) (d) (ii)	4 0
12,209	Total Rs. ...	1,28,945 2

B

Statement showing the amount of License fees for 1916-1917 recovered in 1917-1918.

No. of Licenses issued.	Nature of Trade.	License fees. Rs. a.
1	Ashes	2 8
5	Charcoal	17 8
1	Chemicals	13 8
2	Cocoanut Fibre, Flax, Hemp and Jute	15 8
1	Cotton (cleaning)	5 0
1	Cottonseed, Refuse or Waste	2 0
3	Dyeing Cloth in colours other than Indigo	4 4
2	Dammer, Tar or Pitch	12 8
10	Firewood (wholesale)	30 0
1	Hay, Straw and Grass	1 4
1	Hides and Skins (tanneries)	50 0
1	Lime (manufacturing)	12 8
5	Matches (retail)	14 0
2	Metals (casting)	3 12
11	Noisy Trades	31 0
2	Oil (keeping)	45 0
2	Petroleum (non-dangerous under Petroleum Act) (kerosene oil) (wholesale).	22 8
1	Petroleum (dangerous under Petroleum Act)	3 0
1	Rags	3 12
4	Stables for Bullocks	17 8
1	Turpentine (retail)	5 0
63	Timber	210 4
.....	Licenses transferred	17 0
121	Total Rs.	539 4

Summary of Income for 1917-1918.

No. of Licenses issued.	Official year during which collection was made.	License fees. Rs. a.	Remarks.
121	Income for 1916-17 during 1917-18.	539 4	
12,309	Income for 1917-18 collected from 1st April 1917 to 31st March 1918	1,28,945 2	
12,430	Total	1,29,484 6	

H. WALD,
Superintendent of Licenses.

MARKETS.

REPORT OF THE SUPERINTENDENT OF MARKETS AND SLAUGHTER HOUSES RECEIVED UNDER HIS No. M. C./23 OF 31ST MAY 1918.

SIR,

I have the honour to submit the Annual Report of the Markets and Slaughter Houses for the year 1917-18.

2. I am glad to be able to say that the total receipts from the Markets and Slaughter Houses during the year under report, amounted to Rs. 6,67,521-15-5 against Rs. 6,22,859-2-6 in the previous year, showing an increase of Rs. 44,662-12-11.

3. The Food Prices Committee continued to meet every week during the year until the formation of the new committee under the Controller of Prices. I served on both the Committees throughout the year to settle the prices of Grain, Ghi, Sugar, Firewood, Charcoal, Kerosine Oil, &c., to which publicity was given, and to render every possible help in ascertaining the prevailing wholesome and retail prices of different articles.

4. Frequent references were received from the Supply and Transport Officer and from different regimental officers from time to time during the year under report as regards quotations of certain articles, and the required information was supplied after making careful enquiries. Also I continued to render assistance to the Women's Branch of the War Fund.

5. The total receipts of Rs. 6,67,521-15-5 shown in para. 2 are detailed in the following Statements A to E.

A

Statement of stall-rents and squatters' fees collected departmentally during the year under report contrasted with those in the previous year :—

Names of the Markets.	Total number of stalls.	Average number of stalls vacant.	Stall-rents.	Squatters' fees collected departmentally.	Total.
			Rs. a. p.	Rs. a. p.	Rs. a. p.
Colaba Market	70	61	352 0 0	322 14 0	674 14 0
Fort Market	266	83	6,794 9 0	52 10 0	6,847 3 0
A. C. Fruit and Vegetable Market ...	560	19	77,719 7 0	285 2 0	78,004 9 0
Do. Fish and Mutton Market ...	119	38	9,313 11 0	.....	9,313 11 0
Do. Mutton (New) Market	68	17	3,156 10 0	.....	3,156 10 0
Do. Beef Market	81	1	11,539 0 0	.....	11,539 0 0
Godowns	27	.....	7,052 0 0	.....	7,052 0 0
Fowl Rooms	29	.....	3,561 0 0	.....	3,561 0 0
Bird Shops	18	6	1,547 14 0	.....	1,547 14 0
Erskine Road Fruit and Vegetable Market (Old) ...	448	55	33,042 0 0	2,838 6 0	35,880 6 0
Do. do. (New) ...	118	47	5,430 13 0	.....	5,430 13 0
Do. Mutton Market ...	114	27	8,917 3 0	.....	8,917 3 0
Bhuleshwar Market	176	10	15,448 9 0	2,191 0 0	17,639 9 0
Pedder Market	40	4	1,658 0 0	7 5 0	1,665 5 0
Kamatipura Market	48	1	2,728 6 0	.....	2,728 6 0
Pork Market	2	.....	100 0 0	.....	100 0 0
DeLisle Road Sheep Market	50	1	7,432 11 0	.....	7,432 11 0
Fergusson Road Market	31	1	1,857 0 0	2,226 10 0	4,083 10 0
Parbhadevi Road Market	25	1	868 7 0	2,048 4 0	2,916 11 0
Elphinstone Road Market	45	15	1,272 11 0	606 2 0	1,878 13 0
Total ...	2,335	387	1,99,791 15 0	10,578 5 0	2,10,370 4 0
Total in 1916-1917 ...	2,335	423	1,97,594 14 0	10,424 14 0 309 5 0	2,08,019 12 0 309 5 0

6. The above statement shows an increase of Rs. 2,041-3-0 in stall rents and squatters' fees. This shows that the Markets' trade continued to be as usual in spite of the War.

B

Statement of Squatters' fees and Scale Fees recovered from the contractors during the year under report as compared with those in the previous year:—

Particulars.	1917-18.			1916-17.		
	Rs.	a.	p.	Rs.	a.	p.
Colaba Market	1,350	0	0	1,300	0	0
Fort Market	2,225	0	0	1,950	0	0
A. C. Beef and Fish Markets	9,600	0	0	9,600	0	0
Erskine Road Fish Market	24,000	0	0	23,900	0	0
Pedder Market	2,050	0	0	1,650	0	0
Kamatipura Market	1,800	0	0	1,825	0	0
Fergusson Road Market	2,100	0	0	1,775	0	0
Parbhadevi Road Market	1,300	0	0	1,350	0	0
Elphinstone Road Market	700	0	0	700	0	0
Scale Fees at the A. C. Market compound	7,200	0	0	7,500	0	0
Grand Total	52,325	0	0	51,550	0	0

7. When the Markets rights were put up to auction for the year under report, the bidders advanced their bids as usual with the result, that the total amount realized Rs. 775 more than the previous year. This shows that the business in the Markets was steady.

C

Statement showing the Fair Ground Rent and Feeding Fees at Bandra during the year under report, as compared with the previous year:—

	1917-18.			1916-17.			Increase.		
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
Fair Ground Rent and Feeding Fees.	1,03,600	0	0	93,700	0	0	9,900	0	0

8. The above statement shows an increase of Rs. 9,900-0-0. This is due to the fact that for the last two years the importation of animals to Bandra was considerably large to meet the requirements of the S. & T. Department, the War Hospitals and the shipping in general. This led to very keen competition amongst the bidders when the right was put up to auction with the result that the bid went up to Rs. 1,03,600, the largest amount ever realized for this right. The following is the comparative statement showing the number of animals so imported and the number rejected out of them as unfit for slaughter:—

Year.	Animals brought to the Fair Ground.			Animals rejected.		
	Buffaloes.	Horned Cattle.	Sheep and Goats.	Buffaloes.	Horned Cattle.	Sheep and Goats.
1917-18 ...	9,633	72,099	871,404	2	1,059	23,595
1916-17 ...	7,602	67,637	860,268	16	710	24,260

D

Statement of slaughter fees recovered during the year under report as compared with the previous year :—

	1917-18.			1916-17.			Increase.		
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
Slaughter fees... ...	2,72,334	15	0	2,42,429	8	0	29,905	7	0

9. The above statement shows an increase of Rs. 29,905-7-0. This is due to a considerably large number of animals having been slaughtered, or removed from Bandra during the year under report, to meet demands from the Supply and Transport Office for extra quantity of meat and live animals for expeditionary forces and for War Hospitals and shipping, &c., purposes. The following statement shows the total number of animals of each description slaughtered or otherwise disposed of compared with those in the previous year :—

Description.	1917-18.				1916-17.			
	Number.	Amount of Slaughter fee.			Number.	Amount of Slaughter fee.		
		Rs.	a.	p.		Rs.	a.	p.
Buffaloes	9,512	95,420	0	0	7,565	75,650	0	0
Do. (private slaughter)	1	10	0	0	.....	.....		
Cows, bullocks and calves	67,476	50,607	0	0	64,846	48,634	8	0
Sheep and goats (for Bombay)	695,387	86,998	6	0	700,185	87,523	2	0
Do. (for Mahim and Bandra)	54,621	5,413	13	0	51,470	5,216	14	0
Pigs slaughtered at Arthur Road Slaughter House	4,291	4,291	0	0	1,165	1,165	0	0
Piglings Do. do. do.	58	14	8	0	3	0	12	0
Pigs (private slaughter)	52	104	0	0	21	42	0	0
Piglings (do.)	153	38	4	0	145	36	4	0
Live horned cattle removed to Bombay	1,932	9,660	0	0	1,455	7,275	0	0
Live sheep and goats removed to Bombay	20,788	10,394	0	0	16,132	8,066	0	0
Permits issued for private slaughter of sheep	34	17	0	0	22	11	0	0
Live sheep and goats removed by the DeLisle Road Sheep Market Fadkarees	22,734	11,367	0	0	21,618	10,809	0	0
Total ...	877,669	272,334	15	0	864,627	2,42,429	8	0

E

Miscellaneous Receipts.

10. The Minor Receipts under the head " Miscellaneous " amounted to Rs. 28,891-12-5. The details are as under :—

	Rs.	a.	p.
License fees	15,082	0	0
Fees for verifying weights and measures	713	15	6
For the right of removing blood (from the contractor)	8,000	0	0
Ground rent	264	0	0
Chawl rent	2,904	0	0
Prices Current	88	0	6
For the right of removing dead animals (from the contractor) ...	751	0	0
Sale-proceeds of cast bullocks	906	4	0
Miscellaneous	182	8	5
Total ...	28,891	12	5

11. In the following statement is shown the financial results of the working of each market during the year under report, that is gross receipts and expenditure of each market and the percentage on the original cost of the market building plus the cost of any addition made to the building during the year. The percentage on the total income and expenditure of all the markets comes to 8·98 per cent. which is very satisfactory.

Statement showing the Financial Results of the Municipal Markets during the year 1917-18 :—

Names of Markets.	Original Cost including subsequent additions.	Additions, if any, made during the year.	Total Cost.	Gross Receipts.	Expenditure.	Net Receipts.	Percentage on the Cost.	Remarks.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs.	
Colaba Market	93,393 0 0	....	93,393 0 0	2,024 14 0	1,354 3 11	670 10 1	·71	
Fort do.	1,22,600 0 0	....	1,22,600 0 0	9,072 3 0	3,963 10 0	5,108 9 0	4·16	
Crawford Market	7,17,949 15 8	....	7,17,949 15 8	1,80,971 12 0	96,340 12 5	84,630 15 7	13·38	
Erskine Road Market	5,74,727 5 6	....	5,74,727 5 6	74,228 6 0	15,607 6 9	58,620 15 3	10·19	
Bhuleshwar do.	3,67,613 1 9	....	3,67,613 1 9	17,639 9 0	3,753 9 1	13,885 15 11	3·77	
Pedder do.	62,630 0 0	....	62,630 0 0	3,715 5 0	2,251 9 3	1,463 11 9	2·77	
Pork do.	5,500 0 0	....	5,500 0 0	100 0 0	267 11 3	*Loss* 167 11 3	*Loss* 3·03	
DeLisle Road Sheep Market ..	25,000 0 0	....	25,000 0 0	7,483 11 0	3,356 9 4	4,126 8 9	16·50	
Fergusson Road do.	22,669 0 0	....	22,669 0 0	6,183 10 0	2,057 1 3	4,126 8 9	18·20	
Parbhadevi Road do.	18,894 15 1	....	18,894 15 1	4,216 11 0	2,040 4 4	2,176 6 8	11·51	
Elphinstone Road do.	29,266 15 4	....	29,266 15 4	2,278 13 0	2,792 6 4	*Loss* 213 9 4	*Loss* ·72	
Kamathipura do.	50,691 0 0	....	50,691 0 0	4,528 6 0	2,356 13 9	2,171 8 3	4·28	
Total ..	20,80,935 5 4	....	20,80,935 5 4	2,62,935 4 0	76,642 1 8	1,87,434 6 11	....	
					Deduct Loss ..	381 4 7		
					Net Receipts ..	1,87,053 2 4		

12. During the year under report, 1,070 mutton carcasses and 139 beef carcasses were found diseased and cystic at Bandora on inspection and were consequently destroyed.

13. The fines inflicted by the Presidency Magistrates for the infringement of the provisions of the Municipal Act and the Bye-laws pertaining to the Markets, during the year under report, amounted to Rs. 1,764-0-0 against Rs. 1,597-8-0 in the previous year. This total amount includes fines of Rs. 1,684-0-0 for the importation of contraband meat (Section 412 (1)), the balance of Rs. 80 being for infringing other sections of the Act.

14. Steps were taken, as usual, to destroy articles of food exposed for sale in the different markets that were found unwholesome. The following table shows the quantity of the various articles destroyed during the year under report :—

Meat (Bandora and Bombay)	20,827	lbs.
Fish	265,398	,,
Fruit	9,157	,,
Vegetable	27,710	,,
Total ...	323,092	lbs.

15. The quantity of contraband meat seized and destroyed during the year under report was 7,708 lbs. against 5,970 lbs. in the previous year.

16. The supplies of mutton, beef, fish, fruit, vegetable, &c., were as usual up to the mark.

17. The Markets and Slaughter Houses continue in an unsatisfactory condition. No improvements have yet been effected. I would suggest that a special fund should be instituted and all the surplus revenue from the Markets and Slaughter Houses should be devoted yearly towards improvements and additions. One of the improvements effected at the Bandra Slaughter Houses was the discontinuance of the practice of removal of offal by carts by the offal contractor. The arrangement made with the Railway Company to remove the same in a wagon by rail to Dadar and thence on by the Katchra train to Deonar has been working satisfactorily.

My staff worked satisfactorily during the year.

I have the honour to be,

Sir,

Your most obedient servant,

L. W. MICHAEL,

Superintendent of Markets.

EDUCATIONAL.

REPORT OF THE SCHOOLS COMMITTEE FORWARDED BY THE COMMITTEE'S SECRETARY UNDER HIS No. 6164, DATED 22ND AUGUST 1918.

THE SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, *5th August* 1918.

THE ADMINISTRATION REPORT OF THE SCHOOLS COMMITTEE FOR 1917-1918.

I. The Committee.

1. The undermentioned gentlemen were the members of the Schools Committee at the commencement of the year under review:—

Chimanlal H. Setalvad, Esq., B.A., LL.B., J.P. (*Chairman.*)

The Hon. Sir Ibrahim Rahimtoola, Kt., C.I.E., J.P.

The Hon'ble Sir Dinshaw Edalji Wacha, Kt., J.P.

N. V. Mandlik, Esq., B.A., LL.B., J.P.

Dr. Jehangir J. Cursetji, M.D.

Ramchandra Bhasker Mantri, Esq., J.P.

Dr. Nadirshaw H. E. Sukhia, L.M.&S., L.V.Sc., F.R.S.I. (London), J.P.

Dr. Moreshwar Chintaman Javle, J.P.

Mirza Ali Mohammed Khan, Esq., M.A., LL.B., J.P.

Hiralal Dayabhai Nanavati, Esq., B.A., LL.B.

F. A. M. H. Vincent, Esq., M.V.O., J.P.

Ramkrishna Shrikrishna Navalkar, Esq., B.A., LL.B.

2. The four senior members of the Schools Committee who, under Section 39 (3) of the City of Bombay Municipal Act, 1888, retired at the end of the calendar year 1917, were (1) Mr. Chimanlal H. Setalvad, (2) The Hon. Sir Ibrahim Rahimtoola, Kt., C.I.E., (3) The Hon. Sir Dinsha Edalji Wacha, Kt., and (4) Mr. N. V. Mandlik. They were all re-appointed by the Corporation to be Members of the Schools Committee from the 1st January 1918.

3. The one year's term of the office of the Chairman, Mr. Chimanlal H. Setalvad, expiring with the calendar year of 1917, he was unanimously re-elected to the office for the ensuing year.

4. Of the Members of the Committee, Mr. Chimanlal H. Setalvad, the Chairman, was in the course of the year appointed Vice-Chancellor of the Bombay University and the Honourable Sir Ibrahim Rahimtoola, Kt., C.I.E., a Member of the Executive Council of His Excellency the Governor of Bombay. The Committee congratulated the two gentlemen on the unique honour, and by a Special Resolution recognized the keen and deep interest that had been taken by the Hon. Sir Ibrahim in the affairs of the Schools Committee and the services he had rendered, specially to the cause of extension of Primary Education in the City throughout his 14 years' connection with the Schools Committee or its predecessor, the Joint Schools Committee. Dr. Abdul Satar Ayub Gaya, L.M. & S., was appointed Sir Ibrahim's successor on the Committee.

The Committee sustained during the year the loss of two of its Ex-members, one of whom, Rao Bahadur Dhakji Cassinathji was a Visitor for life of the Committee's Schools. The other Member lost was Principal J. N. Fraser, M.A. Rao Bahadur Dhakji Cassinathji was a Member of the Schools Committee or its predecessor for 15 years and ever took keenest

interest in its affairs. Principal Fraser was a Member of the Joint Schools Committee for 3 years and did very good work. The Committee recorded its sense of regret at the deaths of these two gentlemen and its appreciation of their services in Special Resolutions. Another loss to be specially noted in the year was the death of Mr. N. B. Masani, who held the office of the Committee's Secretary from its first formation in 1889 and reconstitution in 1909, till his retirement in 1915, and had during this long tenure of office rendered meritorious services.

5. Mr. D. G. Padhye, M.A., continued, throughout the year, to hold the office of Secretary of the Committee.

II. General Progress and Summary.

6. The year under review maintained in all directions the steady and substantial progress all round which had marked the administration of the Department under the Committee's control during the past two or three years. But the feature of greater interest was that the Committee prepared, after a prolonged deliberation extending over five meetings, a detailed and comprehensive Scheme for a still further rapid and systematic progress, aiming at the attainment of Free and Compulsory Primary Education of an efficient character in the City in about ten years, and presented it to the Corporation, the latter body forwarding it with its general approval to Government requesting a helping hand for its introduction. The reply of Government is anxiously waited for. The noteworthy features of the year under review, 1917-18, may thus be succinctly enumerated :—

(*a*) Sixteen new schools were opened during the year, bringing the total number of Municipal Schools to 211. Two of these were aided Schools handed over to the Committee by the proprietors who were unable to conduct them. Of these 16 Schools, 9 were Boys' and 7 Girls'. One Special Class was in addition opened for Factory Boys and attached to the Fergusson Road Marathi Nirashrit School.

(*b*) The total expenditure and receipts amounted to Rs. 6,95,243 and Rs. 6,90,070 respectively, the Municipal Funds and the Fees collected contributing, Rs. 6,44,000 and Rs. 43,386 towards the latter amount. The corresponding figures for the previous year were Rs. 5,68,398, Rs. 5,51,430, Rs. 5,10,000 and Rs. 40,516 respectively.

(*c*) There was a very large increase in the year in the number of pupils in the Municipal Schools. The number was 23,987 on the 31st March 1917 and it rose to 28,377 on the corresponding day of 1918, an increase of 4,390 pupils, *i. e.*, 18 per cent. The monthly average on the rolls rose from 22,829 to 25,103, *i. e.*, 9 per cent. A part of this rise was probably due to the temporary large influx of people owing to the War and other conditions of the year. The significance of this rise will become more plain from the fact that the number of pupils in the 156 private schools, to which "Grant-in-Aid" was given in the year under review, was only 15,907 on 31st March 1918, and showed a rise of only 1 per cent. on the 15,623 pupils, that attended on the corresponding date of the last year the 140 schools, to which Grant-in-Aid was then given. Another interesting comparison would be to state that the un-recognized private schools, that could be definitely traced were found to be 91 with 7,816 pupils as against 80 schools and 4,648 pupils in the preceding year.

(*d*) To cope with the increased number of pupils and secure greater efficiency of teaching, 143 new teachers were added during the year under review, bringing the total to 1,067.

(*e*) There was an increase in the staff of the Special Teachers too. Two Music Teachers, two Sewing Mistresses—one full time and the other half time—two Drill Masters, and two Drawing Teachers and one Knitting Mistress, were added to the existing staff for special teaching, the total personnel thereof coming to 41.

(*f*) The staff of the lady teachers in English for the 4th standard classes in the Girls' Schools was increased from 5 to 7.

(*g*) The Schools maintained their general efficiency under the careful supervision of the four Superintendents, who, as usual, in addition to ordinary inspection, carried on the Annual Examinations of all the Classes in the Municipal Schools, mostly by themselves, and co-operated with the Officers of the Government Educational Department in conducting the Public IVth Standard Vernacular Examination of the City.

(*h*) 1,853 pupils appeared from the Municipal Schools in the said IVth standard examination, 1,439 coming out successful, showing a highly satisfactory percentage of 77.

The Vithalwadi and the Kamathipura Marathi and the Nagpada Urdu Full Primary Schools sent up 48 pupils for the Vernacular Final Examination out of whom 31 came out successful.

(*i*) Five Lower Primary Schools were made ordinary Upper Primary Schools and arrangements were made for the gradual introduction of the Full Primary Course in the Chinchpoogli Marathi Boys' School and the Dadar and the South Girgaum Marathi Girls' Schools. Peons and lady teachers were given to about a dozen Urdu Boys' Schools where the girl-pupils showed a tendency to increase in numbers and thus form a nucleus for independent Girls' Schools.

(*j*) The Municipal Schools took a befitting part in the Educational Exhibition that was held in the University Buildings in February 1918, their exhibits making up a large and attractive stall by themselves. They secured one medal for "the best work by a teacher", and two medals and five certificates of merit for Schools. About 2,000 children of the higher classes of the Municipal Schools were taken to the Exhibition which was reserved for them, under a special arrangement for the purpose. This was a good complement to small excursions arranged for by some individual schools.

(*k*) Other opportunities, too, were freely utilized to promote a feeling of solidarity and *esprit de corps* amongst the children. On the 14th June 1917 fell the "War Loan Day" when the Municipal Schools were closed and the children collected between them Rs. 2,703-15-9 which amount was invested in the War Loan, the yearly proceeds being earmarked for giving prizes to the contributing schools. On the 4th August 1917, the War Anniversary was duly celebrated, and on the "Our Day", collections were made most spontaneously in some Municipal Schools, the amount coming to Rs. 140. The children responded still more significantly to the call to join the Children's Branch of the Lady Willingdon War and Relief Fund. So many as 1,253 had joined the Branch in the year, 1,166 more, joining a separate Municipal League, of a similar character, each paying a subscription of Rupee one.

Under the same category may be mentioned a fact of another and a dismal kind, namely, the closing of the Schools as a homage to the memory of the Great Indian, Dadabhai Nowroji, and the Schools Committee's late Secretary Mr. N. B. Masani, who died during the year.

(*l*) Twelve new scholarships were created in the year, for a Marathi Girls' School, five for Marathi Nirashrit Schools and seven for Gujerathi Nirashrit Schools, the total aggregate value being Rs. 61 per month. These bring up the total of the Committee's scholarships to 60, of the aggregate value of Rs. 162 per month. These, together with the Government Middle School Scholarships, represented an expenditure of Rs. 2,148 in the year for Scholarships. Prizes of the value of Rs. 4,783 were awarded to the School children from the Municipal Funds, and of Rs. 236 from the income of the Prize Funds held in Trust by the Committee.

(*m*) The education of the Poorer Classes claimed particular attention. A liberal policy for the award of Free studentships was inaugurated ensuring that no poor deserving child was turned away from a Municipal School for inability to pay his fees. A special free Factory Boys' Class was attached to the Fergusson Road Marathi Nirashrit School, on the model of the one attached to the DeLisle Road Marathi School. The number of pupils in the 17 Mill-hands and Depressed Class Schools rose, as the result of special efforts, from 1,804 to 2,047.

(*n*) The new Scheme, inaugurated experimentally for three years on the 1st March of the last official year, for the Medical Examination of the Municipal School children, was worked in full details, during the year under review. The special features were (A) intimations to the parents and guardians of the ailments discovered in the children, and (B) special arrangements for their treatment gratis at the Municipal Dispensaries of such of them as the parents so desired. In all 9,317 children of 94 schools were examined and 3,331 intimations sent during the year to the parents, &c.

(*o*) Though the special efforts of the last two years had succeeded in housing and locating satisfactorily the great majority of the Municipal Schools, which have no buildings of their own, efforts were not relaxed to improve still further their condition in this regard. 23 old schools were removed to new and better premises. Additional accommodation was secured for 30 other schools. Efforts in the direction will steadily continue though the Rent Act, whilst it checks exhorbitant raisings of rent, makes it difficult to secure new premises.

(*p*) The provision of little gardening progressed in the Municipal owned School Buildings and was extended to some of the favourably situated hired premises. Improvement in equipment and conveniences and embelishments of all kinds claimed steady attention. Rs. 25,000 were spent in supplying new furniture, charts, pictures,

magazines, books, and other educational requisites of various kinds, some useful for boys and others for teachers. To secure improved conservancy, the fixed monthly contingency grants of the Day Schools were raised by Rs. 1,128 per annum. The contingency grants of the Night Schools were raised by one rupee per month each.

(*q*) Special efforts were continued to raise the educational status of the teachers and increase the proportion of trained teachers. The minimum educational standard for the admission of lady teachers on the Marathi side was raised to the 5th standard and of male teachers on that and the Gujerathi sides to the Vernacular Final Examination. Every trained teacher applicant was welcomed, if suitable. 66 Stipendiaries were maintained at the Ahmedabad, Poona and Rajkote Training Colleges. The Committee's Gujerathi Training Class for Male and the Urdu Training Classes for Males and Females helped the success of 23 students in various qualifying examinations. A new class for the training of Gujerathi Nirashrit School teachers was opened during the year. Special concessions were given to the Normal Class for the training of lady teachers in Bombay by the Seva Sadan and also to the Municipal School teachers attending those Classes or going up for the Training College Examinations. The stipends of the Training College students were raised to Rs. 10 per head all round, with one Rupee War Allowance extra. 69 teachers from amongst the Committee's stipendiaries obtained Training Certificates during the year and the number of Trained teachers actually serving in the Department rose from 409 to 459 out of 1,067 teachers.

The policy of improving the status and prospects of teachers and fostering in them zeal and interest in their work was continued with good results. Rs. 352 per month represented the annual promotions to the untrained teachers. To meet the present situation caused by the increase of prices brought on by the war, a temporary Special War Allowance was sanctioned for all employés of the Schools Committee's department at rates ranging from Rs. 2 to Rs. 7 per month, with effect from 1st October 1917. An allowance of Rs. 5 per mensem was sanctioned to the teachers of the Factory Classes which met twice a day. The Committee has taken up in right earnest detailed proposals made by the Secretary, for a revision all round of the salaries of the Schools Committee's staff. The Committee has also moved the Corporation to early complete all arrangements to extend to their School staff the benefits of the Municipal Pension Fund. Whilst good work was rewarded, a dozen cases of faulty or irregular conduct on the part of teachers were made the subject of disciplinary measures calculated to maintain a proper standard of efficiency in the school staff.

(*r*) No new building of its own was secured for any Municipal School during the year. But several projects under the 10 lakhs scheme for the erection of Municipal Buildings at joint Government and Municipal expenditure were pushed further materially. The offer of the Hon. Sir Ibrahim Rahimtoola to bear the cost of a building for accommodating a Municipal Dispensary and a School, on an Improvement Trust plot at the Sandhurst Road, was finally accepted, the plot secured, and the plans and the estimates of the building sanctioned. Another offer of a similar kind came from Khan Bahadur Hakim Mahomed Dayam for a Marathi School building at Antop Hill, Matunga. It was also accepted with thanks.

(*s*) Rs. 70,282 were given during the year under report as "Grants-in-Aid" to 156 schools as against Rs. 65,208 given to 140 schools in the previous year. Four of the old schools registered for the Grant-in-Aid were closed, whilst 20 new ones were placed on the list for a total assessment of Rs. 5,079.

(*t*) The policy of helping private educational institutions of a philanthropic kind by lending to them *gratis* the use of Municipal School premises was freely expanded, 14 new permissions being given in the course of the year. The number of such institutions was 41 out of which 26 were Night Schools with about 1,100 pupils on the roll.

(*u*) A unique donation was made during the year of Rs. 1,209-11-6 by the Secretaries, Lord Hardinge Birth Day Celebration Committee, Bombay, which has been invested as a Trust Fund for giving prizes in the name of Lady Hardinge for the successful students of the 4th standard classes of the Municipal Schools. Various other smaller donations were made for which the Committee thanks the donors. Special mention may be made of the good work the Seva Sadan continued in feeding the poor children of the Gamdevi Marathi and the Falkland Road Urdu Schools. They extended the feeding to the Girgaum Gujerathi Boys' and Girls' Schools.

(*v*) The reports and representations made by the Committee during the year has been given in appendix "C."

III. Municipal Schools and Attendance.

7. The following table gives a summary of the total number of Municipal Schools of all descriptions, with the aggregate number of pupils thereat for the past two years. The total increase in the number of schools was 16, out of which 4 were Marathi Girls', 3 Gujerathi Girls', 3 Marathi Boys', and 2 Gujerathi Boys' and 4 Urdu Boys' Schools.

A Special Factory Boys' Class was opened and attached to the Fergusson Road Marathi Nirashrit School:—

Classes of Schools.	Municipal.			
	1917-1918.		1916-1917.	
	Schools.	Pupils.	Schools.	Pupils.
Marathi.				
Day Schools—				
Middle Schools	3	349	3	343
Primary for boys	62	10,931	60	9,659
Do. for girls	31	3,596	27	3,077
Total ...	96	14,876	90	13,079
Night Schools	1	33	...	...
Total of Marathi Schools ...	97	14,909	90	13,079
Gujerati.				
Day Schools -				
Middle Schools	1	92	1	82
Primary for boys	33	4,299	31	3,651
Do. for girls	21	2,582	18	2,020
Total ...	55	6,973	50	5,753
Night Schools	1	16	1	11
Total of Gujerati Schools ...	56	6,989	51	5,764
Urdu.				
Day Schools—				
Primary for boys	47	5,389	43	4,201
Do. for girls	7	961	7	836
Total ...	54	6,350	50	5,037
Night Schools	4	129	4	107
Total of Urdu Schools ...	58	6,479	54	5,144
Grand Total of Marathi, Gujerati and Urdu Schools ...	211	28,377	195	23,987

8. The aggregate number of 28,377 pupils shown above was the number on the rolls on 31st March 1918. The monthly average on the rolls was 25,103 against 22,829 in the previous year. The average monthly attendance was 19,581 as against 17,649.

9. The total number of the Municipal Boys' Schools including four Anglo-Vernacular Schools and six Night Schools was, as shown in the above table 152, and that of the Girls' Schools 59. The total attendance, in the former, was 21,238 and in the latter 7,139.

10. It may be mentioned, however, that girls are allowed to attend in the Boys' Schools, particularly in the Urdu Schools, and some Girls' Schools have on their rolls boys too. Thus the 21,238 pupils of the 152 Boys' Schools consisted of 18,804 boys and 2,434 girls and the 7,139 pupils of the 59 Girls' Schools consisted of 6,997 girls and 142 boys.

IV. Finance.

11. The opening balance of the "School Fund" was Rs. 19,327-9-8. The total receipts amounted to Rs. 6,90,070-12-0 as against Rs. 5,51,430 for the previous year. The contribution from the General Municipal Fund was for the year Rs. 6,44,000 (Rs. 6,10,000 regular contribution towards Primary Education and Rs. 34,000 additional contribution on account of "War Allowance" payable to teachers from 1st October 1917) as against Rs. 5,10,000. The income from fees rose from Rs. 40,516 in 1916-17 to Rs. 43,386, in the year under review. The Trust Funds and other sources yielded about Rs. 2,684-12-0.

12. The total expenditure for the year 1917-18 was Rs. 6,95,243, being Rs. 1,26,845 in excess of that for the year 1916-17. The increase was chiefly due to (1) the employment of 143 additional teachers; (2) the securing of improved accommodation for the schools; (3) the opening of 16 new schools; (4) the registration of 20 *de novo* Schools for Grants-in-Aid and (5) equipment of the schools. The year closed with a balance of Rs. 14,154-13-4.

13. The average cost per pupil (including the cost of the supervision establishment was Rs. 22 as against Rs. 20·9 of the last year. The cost was distributed as under:—

Teaching	Rs.	13·7
House rent	„	5·7
Miscellaneous...	„	2·6

V. Teachers and Training Classes.

14. The following table shows the total number of ordinary teachers in the Municipal Schools for the year under review and the previous year. The trained and untrained teachers are shown separately:—

Figures for 1917-18.

Class of Teachers.	Number of Teachers.								
	Trained.			Untrained.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Marathi	214	76	290	197	58	255	411	134	545
Gujerati	83	42	125	78	66	144	161	108	269
Urdu	44	...	44	153	56	209	197	56	253
Total ...	341	118	459	428	180	608	769	298	1,067

Figures for 1916-17.

Marathi	195	74	269	164	42	206	359	116	475
Gujerati	72	37	109	77	60	137	149	97	246
Urdu	30	1	31	132	40	172	162	41	203
Total ...	297	112	409	373	142	515	670	254	924

15. The increase in the number of teachers during the year was 143. It was due to the opening of new schools, the growth in the pupils attending old schools and the demands of efficiency elsewhere. The policy initiated since the year 1915-16 of giving preference to

trained teachers even for provisional or acting appointments, continues and an appreciable number of trained teachers was thus secured. Ten full time teachers and one half timer were added during the year to the special teachers staff whose total at the end of the year stood as under :—

Drawing Teachers	...	...	...	10
Drill Teachers ..	...	...	...	8
Music Teachers ...	..	...	...	8
Knitting Teachers	...	...	...	3
Sewing Mistresses	...	...	...	11 *plus* 1 half timer.
English Lady Teachers ...		...	...	7
			Total	47 *plus* 1 half timer.

16. To the above number have to be added 7 teachers of the four Teachers' Training Classes maintained by the Committee The number of peons and hamals was 100. Thus the total staff consisted of 1,222 persons, including a half timer.

VI. Inspection and Supervision.

17. Messrs. A. R. Bhaiji, B.A., H. G. Anjaria, M.A., LL.B., and K. B. Padgaokar B.A., continued to hold the offices of the Superintendents of the Urdu, the Gujerathi and the Marathi Schools, respectively, and Mr. B. R. Manerikar, B.A., that of the Assistant Superintendent, Marathi Schools. Mr. Padgaokar was on leave for 2 months from 28th January 1918 and Mr. B. R. Manerikar, Assistant Superintendent, Marathi Schools acted for him. Mr. D. B. Kulkarni, Headmaster of the Kamathipura Anglo-Vernacular School acting as Assistant Superintendent. Mr. Manerikar did his work satisfactorily. All the Superintendents showed commendable zeal and activity in the discharge of their duties. Mr. Padgaokar paid 250 visits to Schools, Mr. Bhaiji 308, Mr. Manerikar 397, Mr. Anjaria 280, and Mr. Kulkarni 55. The Superintendents actively helped, as usual, the Government Deputy Educational Inspector, Bombay, in holding the Bombay Vernacular Fourth Standard Examination.

VII. Results of Examinations.

18. The following table shows the results of the important examinations at which pupils from the Municipal Schools and Training Classes, &c., appeared during the year :—

Kinds of examinations.	No. of pupils (appearing).	No. of pupils (successful).
Vernacular Final Examination	67	39
Fourth Standard Vernacular Examination	1,853	1,439

VIII. Medical Inspection.

19. In pursuance of the three years' experimental Scheme for a Medical Examination of the Bombay Municipal School children inaugurated on 1st March 1917, Dr. G. V. Kher, L. M. & S., Medical Inspector and Dr. (Miss) Gulbai M. Doctor, L. M. & S., Medical Inspectress, with Dr. V. D. Afinwalla, L. M. & S., and Miss Tarabai Rajapurkar, as their assistants, carried on the work throughout the year. Dr. Kher and his assistant examined 5,042 children of 42 schools. 1,608 children were found to have no defects. Of the ailments or defects, of the remaining 3,434 children (67·5 per cent.) Malnutrition, defective teeth and external eye diseases represented 20 to 30 per cent. of the total. The defective visions were 10 per cent. Dr. Kher sent 1,304 intimations to the parents or guardians of the ailments of the children. 978 replies came in, out of whom 302 preferred private treatment : whilst 676 children were given cards for treatment at the Municipal Dispensaries. Dr. (Miss) Gulbai, Doctor, examined 4,275 children of 52 Girls' Schools or Girls' Classes. She found 3,688 or about 86 per cent. children to have defects or diseases, in which she included unclean head or body (24 per cent.). The proportion of diseases of teeth found by her was 45 per cent. and the other common ailments were Malnutrition, eye and throat diseases. She sent 2,027 intimations to parents, receiving 1,222 replies out of which 561 went for the Municipal Dispensary treatment.

Both the Inspecting Officers found that the Urdu School children and their parents neither appreciated nor utilized the Medical Inspection, as those of the Marathi and Gujerathi Schools did.

IX. Miscellaneous about teachers.

20. Two trained teachers retired during the year, (1) Mr. B. H. Damle, Headmaster, Girgaum Marathi Boys' School, who had a long record of very meritorious service as teacher and Acting Superintendent to his credit, and (2) Mr. G. V. Ketkar, Headmaster, Parel Marathi Boys' School who had done good service in his younger days. There were 18 losses by death, of whom the following may be mentioned specially :—

1. Mr. Ramzanalli Abdulla, Headmaster, Kamathipura Urdu School.
2. Bai Haribai Girjashankar, Headmistress, Mandvi Gujerathi Girls' School.
3. Bai Krishnabai Garud, Assistant, Girgaum Marathi Girls' School.
4. Vatsalabai Bhise, Assistant, Girgaum Marathi Girls' School.
5. Manjulabai Nikambe, Assistant, Gopi Tank Marathi Girls' School.
6. Yamunabai Kherodkar, Assistant, Upper Mahim Marathi Girls' School.

* * * * * *

Lastly it may be mentioned as a compliment to the Municipal School staff that Government took in the loan of the services of Mr. Abdulla Vazirkhan Pathan, Headmaster, Nagpada Urdu School to appoint him as Assistant Urdu Deputy Educational Inspector, Bombay.

The Schools Committee's Office,
Bombay, 5th August 1918.

D. G. PADHYE,
Secretary, Schools Committee.

Appendix A.

Statement of Actual Income and Expenditure of the "School Fund" for the year 1917-1918.

Receipts.	Amount.	Expenditure.	Amount.
	Rs. a. p.	A.—SCHOOLS.	Rs. a. p.
1. Balance on the 1st of April 1917	19,627 9 8	1. Head Masters and Teachers	3,74,652 0 1
		2. Servants	13,196 10 2
		3. Rent	1,63,197 0 8
2. Fees from Municipal Schools	43,386 0 0	4. Cost of Class Books	2,706 0 11
		5. School Furniture	10,164 2 0
		6. Prizes	4,783 5 7
3. Contribution from the General Municipal Fund..	6,44,000 0 0	7. Contingencies and Miscellaneous	22,404 14 5
		8. Scholarships in Schools	465 0 0
		9. Stipends of Students under training as Vernacular Teachers	7,973 2 11
4. Government Grants-in-Aid towards Buildings ...	.....	10. Superintendents' Establishment	14,248 11 9
		11. Grants-in-Aid to Primary Schools	70,282 15 0
5. Interest on Endowments or Investments ...	2,525 4 0	12. Library and Museum	1,469 8 7
		13. Medical Inspection	6,786 4 11
6. Miscellaneous	159 8 0		
		B.—BUILDINGS.	
		1. Municipal Original Works	.....
		2. Repairs to Municipal School Houses	3,844 0 9
		Balance on 31st March 1918	14,154 13 4
Total Rs. ...	7,09,398 5 8	Total Rs. ...	7,09,398 5 8

THE SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, *5th August* 1918.

D. G. PADHYE,
Secretary, Schools Committee.

Appendix B.

Balance Sheet of the "School Fund" for the year 1917-1918.

Liabilities.	Rs. a. p.	Assets.	Rs. a. p.
To Deposit Account	5,916 11 2	By Bank of Bombay, Government, &c., Paper Deposit Account	50,800 0 0
„ Hurkisondas Brijlal Prize Fund—			
Principal ... ... Rs. 500 0 0			
Interest ... ... „ 9 2 5			
	509 2 5		
„ Dr. Blaney Prize Fund—		„ Bank of Bombay, Surplus Cash, Government, &c., Paper Deposit Account	10,801 0 0
Principal ... ... Rs. 1,000 0 0			
Interest ... ... „ 45 7 11			
	1,045 7 11		
„ Madhavdas Raghunathdas Prize Fund—		„ Bank of Bombay on account of Securities from Contractors	2,300 0 0
Principal ... ... Rs. 500 0 0			
Interest ... ... „ 15 4 0			
	515 4 0		
„ Jivcore Lallubhai Scholarship, &c., Fund—		„ Advance Account—	
Principal ... ...Rs. 1,000 0 0			
Interest ... ... „ 52 0 0			
	1,052 0 0	To the Secretary ... ... Rs. 130 0 0	
„ Deposit Dividend on Jivcore Lallubhai Scholarship, &c., Fund	100 0 0		
„ Bachoobai S. Bengalee Prize Fund—		„ Superintendent—	
Principal ... ... Rs. 1,000 0 0			
Interest ... ... „ 22 8 2		Marathi Schools ... Rs. 80 0 0	
	1,022 8 2		
„ R. S. Taki Scholarship and Prize Fund—		Gujerati „ ... „ 20 0 0	
Principal ... ... Rs. 1,100 0 0			
Interest ... ... „ 48 13 4		Urdu „ ... „ 20 0 0	
	1,148 13 4		
„ Valibai Vallabhdas Endowment Fund—			200 0
Principal ... ...Rs. 29,000 0 0			
Interest ... ... „ 153 0 10			
	29,153 0 10		
„ Parmanand Raja Endowment Fund—		„ Advance, Miscellaneous	30 0 0
Principal ... ... Rs. 13,800 0 0			
Interest ... ... „ 820 0 0			
	14,620 0 0	„ Ahmedabad Commercial Mill's Deposit Account..	100 0 0
„ Paper Deposits from Contractors—			
Principal ... ... Rs. 2,300 0 0			
Interest ... ... „ 322 12 0			
	2,622 12 0		
„ Donations for Training Urdu Teachers	2 0 0	„ Actual Cash Balance—	
„ N. S. Bengalee Donation	4 0 0		
„ Cutchi Memon Scholarship	28 0 0		
„ S. M. Edwardes Scholarships	171 0 0	In Bank of Bombay ... Rs. 10,376 7 1	
„ War Loan Prize Fund—			
Principal ... ...Rs. 2,900 0 0		„ Office Treasury .. ... „ 392 11 9	
Interest ... ... „ 89 9 8			
	2,989 9 8		10,769 2 10
„ Income and Expenditure Account—			
Balance on 31st March 1918	14,154 13 4		
Total Rs. ...	75,000 2 10	Total Rs. ...	75,000 2 10

THE SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, *5th August* 1918.

D. G. PADHYE,
Secretary, Schools Committee.

Appendix C.

Reports and Representations by the Schools Committee.

1. (Per Resolution No. 94 of 4th July 1917) ; Representation to the Municipal Commissioner taking stock of the Schools Committee's suggestions and the progress of the Rs. 10 lakhs Scheme for the construction of buildings for Municipal Schools at joint Government and Municipal expenditure and giving a fresh list of schools for which buildings are needed.

2. (Per Resolution No. 125 of 8th August 1917) : Report sent to the Corporation stating the Schools Committee's views as to whom the obligation to make adequate arrangements for the Training of Teachers for Schools in Bombay City rests upon.

3. (Per Resolution No. 159 of 5th September 1917) : Representation made to the Corporation strongly recommending the admission of the Municipal School Superintendents, Teachers and other servants to the benefits of the Municipal Pension Fund.

4. (Per Resolution No. 160 of 19th September 1917) : Report sent to the Corporation submitting a comprehensive scheme for attaining Free and Compulsory Education in ten years in the City of Bombay.

5. (Per Resolution No. 161 of 19th September 1917) : Reports made to the Corporation in respect of certain queries as to the cost of Free or Free and Compulsory Primary Education in the whole or part of Bombay City and Island.

6. (Per Resolution No. 162 of 19th September 1917) : Report made to the Corporation in regard to Mr. A. V. Thakkar's Scheme for Free and Compulsory Primary Education in Bombay.

7. (Per Resolution No. 220 of 7th November 1917) : Representation requesting the Corporation to sanction a Scheme for the payment of a temporary Special War Allowance to the staff of the Schools Committee's departments.

8. (Per Resolution No. 253 of 23rd January 1918) : Report sent to the Municipal Commissioner making a suggestion in connection with the draft Revised Regulations for leave, &c., to Municipal Employés.

THE SCHOOLS COMMITTEE'S OFFICE.
BOMBAY, 5*th August* 1918.

D. G. PADHYE,
Secretary, Schools Committee.

Appendix D.

The Aided Schools.

The following table shows the number of Aided Schools with the attendance thereat. The amount of Grant paid to them from the "School Fund" during 1917-18 was Rs. 70,282-15-0 as against Rs. 65,208 for the previous year :—

Class of Schools.	Aided.			
	1917-1918.		1916-1917	
	Schools.	Pupils.	Schools.	Pupils.
Marathi.				
Day Schools—				
Primary for boys	47	4,671	46	4,900
Do. for girls	17	1,445	16	1,653
Total	64	6,116	62	6,553
Night Schools	20	339	13	260
Total of Marathi Schools ...	84	6,455	75	6,813
Gujerati.				
Day Schools—				
Primary for boys	34	4,260	32	4,149
Do. for girls	24	3,311	22	3,099
Total	58	7,571	54	7,248
Night Schools	3	113	2	99
Total of Gujerati Schools ...	61	7,684	56	7,347
Urdu.				
Day Schools—				
Primary for boys	7	1,085	6	953
Do. for girls	2	504	2	466
Total of Urdu Schools ...	9	1,589	8	1,419
Tamil Day School	1	29	1	44
Hindi Day School	1	150	.....	.....
Grand Total of Marathi, Gujerati, Urdu, Tamil and Hindi Schools ...	156	15,907	140	15,623

The Schools Committee's Office,
Bombay, *5th August* 1918.

D. G. PADHYE,
Secretary, Schools Committee.

Appendix E.

Race of Pupils.

The number of pupils in the Municipal and Aided Schools according to their races was as under:—

Race.	1917-1918.			1916-1917.		
	Municipal.	Aided.	Total.	Municipal.	Aided.	Total.
Europeans and Eurasians	...	...	...	...	...	...
Portuguese and Native Christians	126	387	513	104	411	515
Hindus	20,735	8,109	28,844	17,789	7,934	25,723
Mahomedans	7,131	3,232	10,363	5,753	2,904	8,657
Buddhists	...	...	...	...	...	...
Parsis	280	3,569	3,849	240	3,671	3,911
Others	105	610	715	101	703	804
Total ...	28,377	15,907	44,284	23,987	15,623	39,610

THE SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, *5th August* 1918.

D. G. PADHYE,
Secretary, Schools Committee.

Appendix F.

Unrecognized and Unaided Primary Schools.

The following is a rough estimate of the number and attendance in unrecognized and unaided Primary Schools in Bombay City :—

Class of Schools.	Schools.	Pupils.
MARATHI.		
Primary for boys	15	518
Do. for girls	1	25
Total ...	16	543
GUJERATI.		
Primary for boys	33	3,824
Do. for girls	9	1,114
Total ...	42	4,938
URDU.		
Primary for boys	26	2,031
Do. for girls	7	304
Total ...	33	2,335
Grand Total of Marathi, Gujerati and Urdu Schools ...	91	7,816

THE SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, *5th August* 1918.

D. G. PADHYE,
Secretary, Schools Committee.

Appendix G.

THE PROGRESS OF PRIMARY EDUCATION IN BOMBAY.

A. *Under the Joint Schools Committee.*

Year.	No. of Schools.	Increase or Decrease.	No. of pupils.	Increase or Decrease.	Total expenditure.	Increase or Decrease.
					Rs.	Rs.
* 1890-91 ...	62	...	6,134	...	81,861	...
† 1908-09 ...	102	+40	10,314	+4,180	2,54,888	+1,7 ;,027

* Being the first year of the Joint Schools Committee.
† Being the last year.

B. *Under the (Municipal) Schools Committee from year to year.*

1909-10	114	+ 12	11,559	+ 1,245	2,88,202	+ 33,314
1910-11	127	+ 13	13,255	+ 1,696	3,30,890	+ 42,688
1911-12	142	+ 15	15,861	+ 2,606	3,38,263	+ 7,373
1912-13	160	+ 18	16,746	+ 885	3,78,088	+ 39,825
1913-14	174	+ 14	18,846	+ 2,100	4,37,815	+ 59,727
1914-15	179	+ 5	18,046	— 800	4,77,963	+ 40,148
1915-16	183	+ 4	21,669	+ 3,623	5,02,173	+ 24,210
1916-17	195	+ 12	23,987	+ 2,318	5,68,398	+ 66,225
1917-18	211	+ 16	28,377	+ 4,390	6,95,243	+ 1,26,845

THE SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, *5th August* 1918.

D. G. PADHYE,
Secretary, Schools Committee.

MUNICIPAL OFFICE,
BOMBAY, *28th May* 1918.

From

THE MUNICIPAL AUDITORS,
BOMBAY.

To

THE MUNICIPAL SECRETARY,
BOMBAY.

SIR,

In accordance with Section 137 of the Bombay Municipal Act of 1888, we have the honour to forward herewith three Appendices, marked A, B and C, containing the result of the scrutiny of the outstanding Bills of Rates and Taxes which were in the hands of the Ward Clerks and in the Office of the Assessor and Collector on the 31st March 1918.

2. These Appendices form part of the Annual Report on the Municipal Accounts for the year 1917-18, now under preparation.

We have the honour to be,
Sir,
Your most obedient servants,
BHUKHANDAS B. DESAI,
H. S. KATRAK,
Municipal Auditors.

Appendix A.

STATEMENT of outstanding bills of Rates and Taxes in the hands of the Ward Clerks and in the office of the Assessor and Collector on the 31st March 1918.

Wards.	No. of Bills.	Amount.									Grand Total	Remarks.
		On value.				Compounded or Special.			Tax on Vehicles and Animals.	Meter hire.		
		General Tax.	Water Tax.	Halalkhore Tax.	Total.	Compound water service.	Special Halal-khore Service.	Water charged by meter.				
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
A	223	5,735 7 8	1,398 3 6	1,476 10 6	8,610 5 8	.....	.....	5,548 1 6	1,386 0 0	83 0 0	15,627 7 2	
A Govt. Port Trust and Railways.	60	153 11 3	25 10 0	28 10 0	208 2 3	.....	99 12 0	13,998 3 8	162 0 0	.....	14,468 1 11	
B	70	4,807 5 0	1,360 14 11	1,212 10 1	7,380 14 0	0 8 0	.....	.....	197 0 0	.....	7,578 6 0	
C	45	1,518 6 6	455 10 2	451 7 3	2,425 7 11	.....	.....	44 7 0	197 0 0	.....	2,666 14 11	
D	141	4,661 9 3	780 6 4	1,586 10 9	6,998 10 4	13 0 0	111 3 8	532 9 0	1,055 0 0	61 0 0	8,701 7 0	
E	82	1,619 12 5	1,185 9 8	514 13 10	3,320 3 6	7 0 0	.....	244 2 8	314 0 0	.....	3,885 6 2	
F	29	1,577 15 3	373 14 9	488 10 6	2,440 8 6	0 10 5	.....	119 4 0	174 5 4	.....	2,734 12 3	
G	41	632 7 8	121 15 7	122 3 2	876 10 5	.....	.....	1,416 9 0	211 0 0	.....	2,504 3 5	
Total ...	691	20,606 14 0	5,702 4 6	5,881 12 1	33,190 14 7	21 3 5	210 15 8	21,903 4 10	3,696 5 4	144 0 0	58,166 10 10	

Municipal Offices,
Bombay, 29th May, 1918.

H. S. KATRAK,
BHUKHANDAS B. DESAI,
Municipal Auditors.

Appendix B.

STATEMENT of outstanding bills of Rates and Taxes in arrear for the year 1916-17, and previous years in the hands of the Ward Clerks and in the office of the Assessor and Collector on the 31st March 1918.

Ward	No. of Bills.	Amount.									Remarks
		On value.				Compounded or Special.			Tax on Vehicles and Animals.	Grand Total.	
		General Tax.	Water Tax.	Halalkhore Tax.	Total.	Compounded water service.	Special Halalkhore service.	Water charged by meter.			
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
					For the year 1916-17.						
A	14	399 15 0	121 8 0	121 8 0	642 15 0	.....	.....	614 8 0	67 0 0	1,324 7 0	
B	2	.....	.....	.....	.....	.....	.....	.....	32 0 0	32 0 0	
D	14	1,145 4 1	.....	348 9 8	1,493 13 9	12 0 0	.....	.....	78 0 0	1,583 13 9	
E	13	85 7 10	253 8 1	34 12 10	373 12 9	.....	.....	.....	.....	373 12 9	
Total ...	43	1,630 10 11	375 0 1	504 14 6	2,510 9 6	12 0 0	.....	614 8 0	177 0 0	3,314 1 6	
					For the year 1915-16.						
A	6	1,443 5 8	121 8 0	121 8 0	1,686 5 8	.....	.....	.....	.....	1,686 5 8	
B	1	.....	.....	.....	.....	.....	.....	.....	11 0 0	11 0 0	
D	7	1,008 7 7	.....	334 0 10	1,433 8 5	12 0 0	.....	.....	.....	1,444 8 5	
E	2	11 13 8	.....	.....	11 13 8	.....	.....	.....	.....	11 13 8	
G	2	12 13 4	3 14 4	3 14 4	20 10 0	.....	.....	.....	.....	20 10 0	
Total ...	18	2,566 8 3	125 6 4	459 7 2	3,151 5 9	12 0 0	.....	.....	11 0 0	3,174 5 9	
					For the year 1914-15.						
A	2	399 15 0	.....	121 8 0	521 7 0	.....	.....	.....	.....	521 7 0	
B	2	.....	.....	.....	.....	.....	.....	.....	22 0 0	22 0 0	
D	6	1,097 1 10	.....	338 4 10	1,430 6 8	5 0 0	.....	.....	.....	1,435 6 8	
E	3	11 13 8	...	.....	11 13 8	.....	.....	.....	11 0 0	22 13 8	
G	1	6 6 8	1 15 2	1 15 2	10 5 0	.....	.....	.....	.....	10 5 0	
Total ...	14	1,515 5 2	1 15 2	456 12 0	1,974 0 4	5 0 0	.....	.....	33 0 0	2,012 0 4	
					For the year 1913-14.						
D	9	890 12 0	223 0 0	267 3 7	1,380 15 7	.....	.....	.....	25 0 0	1,405 15 7	
E	3	22 9 6	8 14 1	7 14 3	39 5 10	.....	.....	.....	15 0 0	54 5 10	
Total ...	12	913 5 6	231 14 1	275 1 10	1,420 5 5	.....	.....	.....	40 0 0	1,460 5 5	
GRAND TOTAL.	87	6,625 13 10	734 3 8	1,696 3 6	9,056 5 0	29 0 0	.....	614 8 0	261 0 0	9,960 13 0	

Municipal Offices,
Bombay, 29th May, 1918.

H. S. KATRAK,
BHUKHANDAS B. DESAI,
Municipal Auditors.

Appendix C.

SUMMARY of Appendices A and B.

Year.	Appendix A.		Appendix B.		Grand Total.	
	Number of bills.	Amount.	Number of bills.	Amount.	Number of bills.	Amount.
		Rs. a. p.		Rs. a. p.		Rs. a. p.
1917-18	691	58,166 10 10	.....	.....	691	58,166 10 10
1916-17	.....	.....	43	3,314 1 6	43	3,314 1 6
1915-16	.....	.....	18	3,174 5 9	18	3,174 5 9
1914-15	.....	.....	14	2,012 0 4	14	2,012 0 4
1913-14	.....	.....	12	1,460 5 5	12	1,460 5 5
Total ...	691	58,166 10 10	87	9,960 13 0	778	68,127 7 10

The outstanding amount on the same date last year, *i.e.*, on the 31st March 1917, was Rs. 65,569-9-0.

Municipal Offices,
Bombay, 29th May, 1918.

H. S. KATRAK,
BHUKHANDAS B. DESAI,
Municipal Auditors.

BOMBAY. 19*th August*, 1918.

From

THE MUNICIPAL AUDITORS,

To

THE MUNICIPAL SECRETARY,

BOMBAY.

SIR.

We have the honour to forward herewith our Report on the accounts of the Schools Committee for the year 1917-18.

We have the honour to be,

Sir,

Your most obedient servants,

H. S. KATRAK,

BHUKHANDAS B. DESAI,

Municipal Auditors.

REPORT ON THE ACCOUNTS OF THE "SCHOOL FUND" FOR THE YEAR 1917-18.

In accordance with Bye-law No. 14 of the Schools Committee, we beg to report that we have audited the accounts, examined all the vouchers, relating to the Receipts and Disbursements of the "School Fund" in charge of the Schools Committee from the 1st April 1917 to the 31st March 1918, and found them in order. Some irregularities, found in the course of the Audit of the Accounts, will be reported to the Secretary of the Schools Committee for the necessary action.

2. The total receipts of the "School Fund" during the year 1917-18 amounted to Rs. 6,90,070-12-0 against Rs. 5,51,430-8-0 during the year 1916-17. The excess of Rs. 1,38,640-4-0 in receipts over the preceding year is due to increase in the amount of contribution received from the Municipal General Fund and in the amount of School fees.

3. The total expenditure during the year 1917-18 amounted to Rs. 6,95,243-8-4 against Rs. 5,68,398-6-8 during the year 1916-17. The increase of Rs. 1,26,845-1-8 is due to the growth of pupils and schools, as explained by the Secretary, Schools Committee, in his Annual Administration Report for 1917-18.

4. As will be seen from paras. 2 and 3 above, the total outgoings during the year 1917-18 were greater than the total receipts for the year by Rs. 5,172-12-4. This excess has been met from the Surplus Balance of the "School Fund."

5. The expenditure under several heads exceeded the Budget Grants sanctioned for them. The total excess amounted to Rs. 14,119-1-1, of which Rs. 13,041-1-1 were met by re-appropriation from the grants for other heads under which there were savings, and the remainder Rs. 1,078-0-0 were met from the Surplus Cash Balance.

6. The total assets and workable balance of the "School Fund" on the 31st March 1918 were Rs. 75,000-2-10 and Rs. 14,154-13-4 respectively as shown below :—

			Rs.	a.	p.
Advances recoverable			230	0	0
Government Promissory Notes being Security Deposits of Contractors kept for safe custody in the Bank of Bombay (nominal value)			2,300	0	0
Government Promissory Notes and other Securities belonging to Prize Funds deposited for safe custody with the Bank of Bombay			50,900	0	0
Government Promissory Notes of the nominal value of Rs. 11,200 on account of investment of Surplus Cash Balance belonging to the "School Fund" deposited for safe custody with the Bank of Bombay (actual value)			10,801	0	0
Cash Balance—					
(1) In the Bank of Bombay	Rs.	10,376 7 1			
(2) In the Office Treasury	,,	392 11 9			
			10,769	2	10
Total amount of Assets ...			75,000	2	10
Deduct—					
(1) Total liabilities on account of Prize, Endowment, &c., Funds	Rs.	52,305 14 4			
(2) Total liabilities on account of Deposits	,,	8,539 7 2			
			60,845	5	6
Total amount of workable balance ...			14,154	13	4

7. The balance in the Pass Book of the Bank of Bombay was verified by us and found correct, and the safety receipts for the Government Paper, &c., lodged with the Bank of Bombay were examined by us and found to be in order.

H. S. KATRAK,
BHUKHANDAS B. DESAI,
Municipal Auditors.

BOMBAY, 19*th August*, 1918.

BOMBAY, *4th September* 1918.

From

THE MUNICIPAL AUDITORS,
BOMBAY.

To

THE MUNICIPAL SECRETARY,
BOMBAY.

SIR,

We have the honour to forward herewith our report on the Municipal Accounts for the year 1917-18, with a view to the same being printed and submitted to the Corporation as usual.

We have the honour to be,
Sir,
Your most obedient servants,
H. S. KATRAK,
BHUKHANDAS B. DESAI,
Municipal Auditors.

REPORT OF THE AUDITORS OF THE MUNICIPAL ACCOUNTS FOR THE YEAR 1917-18.

For the audit of the accounts under review, Messrs. B. B. Desai and S. T. Thakur were appointed Auditors as per Corporation Resolution No. 7808, dated the 12th March 1917.

2. As usual, all vouchers and papers relating to both Receipts and Disbursements for the year 1917-18 have been examined with the Day Books and the Subsidiary Ledgers, or classified Abstracts of Receipts and Charges; the postings in the General Ledger have also been checked with the entries in the Day Books and those in the Journal with the Subsidiary and General Ledgers.

3. The weekly statements of Receipts and Charges of the Municipal Fund were examined, as they were prepared, prior to their publication in the *Bombay Government Gazette*.

4. The number of vouchers, relating to the accounts of the year under review compares with those of the previous year as under :—

	1916-17.	1917-18.
Receipt Vouchers	42,030	41,168
Disbursement Vouchers...	91,786	86,828
	133,816	127,996

There was thus a decrease of 5,820 in the number of Vouchers in the year under report.

5. The result of the year compared with the Budget and the Revised Estimates and the Actuals of the previous year has been summarized below:—

	1916-17.	1917-18.		
	Actuals.	Budget.	Revised.	Accounts.
	Rs.	Rs.	Rs.	Rs.
Revenue and Receipts	1,40,48,739	1,38,69,000	1,46,70,000	1,48,29,386
Expenditure	1,42,14,292	1,39,92,330	1,48,87,148	1,42,61,391
Surplus	.....	.....	.....	5,67,995
Deficit	1,65,553	1,23,330	2,17,148	.....

6. The total Receipts during the year under review exceeded those of the previous year by Rs. 7,80,647. The actuals of Receipts in 1917-18 were better than the Budget and the Revised Estimates for the year by Rs. 9,60,386 and Rs. 1,59,386 respectively.

7. The total expenditure from the Municipal Fund during the year 1917-18 amounted to Rs. 1,42,61,391 against Rs. 1,42,14,292 in 1916-17, resulting in an increase of Rs. 47,099. The Actuals are more than the Budget by Rs. 2,69,061.

8. The Budget anticipated a deficit of Rs. 1,23,330 which was increased to Rs. 2,17,148 in the Revised. The Actuals, however, have resulted in a surplus of Rs. 5,67,995, while those of the year 1916-17 showed a deficit of Rs. 1,65,553.

9. The opening cash balance on the 1st April 1917 was Rs. 3,58,736-7-11. This, together with the total Receipts of the year, including Debt, Deposits, Advances, &c., amounted to Rs. 7,18,91,505-0-2. The gross payments during the year were Rs. 7,13,16,232-4-4, thus leaving a balance of Rs. 5,75,272-11-10 on the 31st March 1918.

10. The surplus funds investments on the 31st March 1918 were Rs. 56,65,435-9-3 as per the following details, against Rs. 48,24,774-14-10 on the same date last year:—

		Rs.	a.	p.
(*a*)	In Government, &c., Paper with the Bank of Bombay (face value Rs. 47,87,800)	47,50,328	2	0
(*b*)	In *Current Account* with the following Banks:—			
	Bank of Bombay	266	10	0
	Hongkong & Shanghai Banking Corporation	527	8	10
	Comptoir National D'Escompte de Paris	454	13	6
	Chartered Bank of India, Australia & China	873	10	2
	National Bank of India, Limited	154	6	0
	Yokohama Specie Bank, Limited	495	1	0
	Mercantile Bank of India, Limited	5,633	4	0
	Bank of India, Limited	1,92,369	7	11
	Eastern Bank, Limited	64,332	9	10
	Total ...	2,65,107	7	3
		Rs.	a.	p.
(*c*)	In *Fixed Deposits* with the following Banks:—			
	Central Bank of India, Limited	1,50,000	0	0
	Bank of Bombay	5,00,000	0	0
	Total ...	6,50,000	0	0
	Grand Total ...	56,65,435	9	3

11. The balances of the invested amount of the several Loan Funds on the 31st March 1918 was Rs. 9,52,257-5-9 as per the following details against Rs. 2,03,469-10-7 on the same date last year:—

		Rs.	a.	p.
(*a*)	In *Current Account* with the following Banks:—			
	Hongkong & Shanghai Banking Corporation	2,032	13	11
	Chartered Bank of India, Australia & China	249	2	10
	Yokohama Specie Bank, Limited	54,122	7	2
	Mercantile Bank of India, Limited	1,00,403	1	0
	Bank of India, Limited	6,162	14	7
	Eastern Bank, Limited	2,35,082	14	3
	Comptoir National D'Escompte de Paris	4,204	0	0
	Total ...	4,02,257	5	9
		Rs.	a.	p.
(*b*)	In *Fixed Deposits* with the following Banks:—			
	Bank of India, Limited	2,00,000	0	0
	Mercantile Bank of India, Limited	2,00,000	0	0
	Central Bank of India Limited	1,50,000	0	0
	Total ...	5,50,000	0	0
	Grand Total ..	9,52,257	5	9

12. The balances of current accounts with the several Banks have been compared with the Pass Books of the Banks and found correct. The safety receipts for the Government, &c., Papers lodged with the Bank of Bombay, and the Fixed Deposit Receipts of the several Banks, were examined and found to be in order.

13. The following is the list of charges sanctioned during the year 1917-18 by the Municipal Commissioner and paid out of his Discretional Contingent Grant :—

Serial No.	Sanctioning Authority.	Particulars.	Amount.	Remarks.
			Rs. a. p.	
1	Standing Committee Resolution No. 52 of 4th April 1917.	Compensation for damage done to the roof of the Building of Mr. Dadoba Damulji by the fall of a tree.	16 6 5	
2	Commissioner's No. 4268 of 3rd May 1917 and No. 16210 of 27th September 1917.	Salaries of temporary Clerks employed for the destruction of old records of the Commissioner's Office from May to November 1917.	482 14 3	
3	Commissioner's No. 2738 of 23rd April 1917.	Cost of the work of shifting the Military Guard House and cook room from the Love Grove Storm Water Channel to the new site near the Love Grove Compressor Station.	298 11 0	
4	Commissioner's Nos. 8158 of 25th May 1917 and 8436 of 29th May 1917. Corporation Resolution No. 857 of 3rd May 1917.	Payment of additional amount of Rs. 250 each to the widows of Mukadam Tooka Genoo, and Labourers Gangia Vithal and Chokia Krishna, who lost their lives in the accident at Love Grove Outfall Works.	600 0 0	
5	Commissioner's No. 2907 of 24th April 1917.	Payment to the publishers of "Sanitation in India" of the difference of Rs. 40 between the price of 20 copies of the 1st Edition and of those of the 2nd and revised Edition, to be replaced in place of the 20 copies given by the Corporation for the use of students.	40 0 0	
6	Commissioner's sanction dated 22nd August 1917 on E. E's. No. 3597 of 12th August 1917.	Payment of Railway fare to Mr. S. Bingham Pederson from Asansole to Bombay and back, for an interview in connection with the appointment of the Deputy Executive Engineer, Mechanical Branch.	258 0 0	
7	Commissioner's No. 15355 of 3rd September 1917.	Payment of rewards to Mr. Lainton, Foreman, and Husainuddin Sadrodin and Anant Jiwaji, Firemen of F. B. Department, for rescue work done at the fall of a building at Kumbharwada.	70 0 0	
8	Commissioner's No. 7644 of 1st September 1917.	Cost of providing galvanized wire fence for the plot No. 53 at the junction of Jakeria Musjid Street and Sandhurst Road.	64 14 6	
9	Standing Committee Resolution No. 5726 of 12th September 1917. Commissioner's No. 16227/28 of 24th September 1917.	Payment of compensation to Mr. N. G. Hunt for damage done to his Motor Car on Clark Road when a portion of the road was under repairs.	100 0 0	
10	Commissioner's No. 11215 of 26th June 1917 and 17839 of 30th October 1917.	Expenses incurred in the medical examination of Mr. Williams, Foreman of the Fire Brigade Department, who fell ill owing to exposure while on duty at the Cotton Fires at Colaba.	33 0 0 100 0 0 60 0 0	Paid to Messrs. Powell & Co. Paid to Dr. DavidJudah. Paid to Dr. D. H. Baria
11	Commissioner's No. 8821 of 28th September 1917.	Payment of travelling expenses to Mr. E. G. Cameron for the journey from Bansjora to Bombay and back for an interview with the Commissioner for the post of Deputy Executive Engineer, Mechanical Branch.	287 10 0	
12	Commissioner's No. 10377 of 24th March 1917.	Cost of repairing a portion of the road at the junction of the Cawasji Patel Tank Road and the Girgaum Back Road, opened for fixing a hydrant for the garden.	6 8 7	
13	Do. do.	Cost of providing water connection at C. P. Tank Road garden.	250 11 7	
14	Commissioner's No. 5370 of 17th July 1917.	Cost of inter-telephone arrangement made between the Assistant Engineer's room and the Architectural Surveyor.	389 0 0	

Serial No.	Sanctioning Authority.	Particulars.	Amount.	Remarks.
			Rs. a. p.	
15	Commissioner's No. E. G. 6538 of 11th August 1917.	Payment of rent to the City Improvement Trust for plot No. 55 at Sandhurst Road taken up for erection of a School and Dispensary for the period from 16th May 1917 to 15th February 1918.	987 0 0	
16	Commissioner's No. 27085 of 4th November 1916.	Cost of providing wooden gate and barbed wire fence in the store yard opposite the Water Works Stores at DeLisle Road.	250 14 6	
17	Commissioner's No. 28114 of 16th November 1916.	Cost of constructing a dust-bin for depositing refuse at Crawford Market.	446 0 2	
18	Commissioner's No. 547 of 21st February 1918.	Travelling, &c., charges paid to Mr. J.W. Nilson for journey from Howrah to Bombay and back who was called in connection with the post of Conservancy Superintendent.	182 6 0	
19	Do. do.	Travelling, &c., charges paid to Mr. M. J. Murray for Journey from Rangoon to Bombay and back who was called in connection with the post of Conservancy Superintendent.	269 5 0	
20	Commissioner's No. 349 of 31st May 1918.	Charges for fixing hydrants, &c., for the Exhibition Committee at the Elphinstone Circle garden and for repairing a trench at the Custom House Road.	188 13 0	
		Total Rs. ...	5,382 8 0	
		Less— Credits	*28 1 10	
		Net expenditure ...	5,354 1 2	

* Amount on account of private connection bill No. 286 and Road Department Private Works Bill No. E/107 for June and July 1914 for making water connection at Love Lane Street No. 33C written off by debit to "Discretional Contingencies" as per S. C. R. No. 8491, dated 22nd March 1916, but subsequently recovered from the party concerned ... ... Rs. 20 1 10

Amount of salary of a clerk originally debited to Discretional Contingencies but subsequently adjusted by debit to another head owing to his transfer ... ... „ 8 0 0

Rs. 28 1 10

14. The balance outstanding on 31st March 1918 under the head "Advances,—Personal Account of Municipal Officers" was Rs. 36,066-14-11 against Rs. 47,218-9-8 on the same date last year. The former sum includes Rs. 6,120 on account of permanent advances to Municipal Officers, and the remaining, *viz.*, Rs. 29,946-14-11 stand debited to advances pending adjustment in the accounts.

15. The balances on the 31st March 1918 under the heads noted below compare with those of the same date of the preceding year as under:—

	1916-17.	1917-18.
	Rs. a. p.	Rs. a. p.
Departmental works	7,902 10 8	6,008 7 4
Private works	40,969 7 0	40,370 10 8
Workshop	32,252 15 4	97,890 12 9
Total Rs. ...	81,125 1 0	1,44,269 14 9

16. The balance on 31st March 1918 under the head "Personal Account of Municipal Contractors," for supplies and services rendered to them, and for recoveries due from defaulting contractors was Rs. 1,351-12-6 against Rs. 144-12-5 at the close of the year 1916-17.

Miscellaneous advances	Rs.	2,40,662	2 10
Printing and Stamping Building and Repair certificate forms.	„	156	0 9
New Works to be subsequently provided for under a new loan...	„	9,48,166	3 5
Chief Auditor and Accountant G. I. P. Railway	„	726	0 0
Do. do. B. B. & C. I. Railway	„	30,251	13 0
	Rs.	12,19,961	4 0

17. The balance under "Miscellaneous Advances" on the 31st March 1918 was Rs. 12,19,961-4-0 as shown in the margin against Rs. 8,84,735 10-9 in the preceding year.

18. Rs. 1,32,160 were expended on account of Plague charges out of the current revenue during the year 1917-18. The amount expended on this account in the preceding year was Rs. 1,22,957. The total expenditure from the commencement of the Plague, that is, from the year 1896-97 to the 31st March 1918 amounted to Rs. 83,59,557.

19. For the scrutiny of the outstanding bills of Rates and Taxes for the year 1917-18 a reference is requested to the Auditors' letter, dated the 29th May 1918, and to the Appendices attached to that letter, from which it will appear that the number of outstanding bills on the 31st March 1918 was 778 of the total value of Rs. 68,127-7-10 against 594 of the total value of Rs. 65,569-9-0 on the 31st March 1917.

20. In accordance with the instructions contained in the Corporation's Resolution No. 5294, dated the 19th November 1888, all investments made during the year under report on account of the Sinking Funds pertaining to all the several loans due by the Municipality were examined and found to agree with the amounts provided in the Budget for the year. The total accumulated balances on account of all the Sinking Funds amounted to Rs. 1,97,26,287-2-5 on the 31st March 1918 (Rs. 1,97,25,669-11-0 in securities of the nominal value of Rs. 1,93,53,600 and £25,000 = Rs. 3,75,000, as shown below, and Rs. 617-7-5 in cash):—

	Nominal Value.			Actual Value.		
	Rs.	a.	p.	Rs.	a.	p.
5 per cent. Municipal Debentures ...	36,60,500	0	0	36,60,500	0	0
4 per cent. do. do. ...	86,67,000	0	0	86,66,868	2	0
4 per cent. Bombay Port Trust Bonds...	5,53,000	0	0	5,53,000	0	0
4 per cent. City Improvement Trust Bonds	28,54,500	0	0	28,51,701	9	0
4 per cent. City Improvement Trust Sterling Bonds	3,75,000	0	0	3,75,000	0	0
4 per cent. Government Conversion Loan of 1916-17	24,00,000	0	0	24,00,000	0	0
5½ per cent. Government Indian War Bonds of 1920	12,18,600	0	0	12,18,600	0	0
Total Rs. ...	1,97,28,600	0	0	1,97,25,669	11	0

The safety receipts, given by the Bank of Bombay for the above securities in its custody were examined and found to be in order, and the cash balances on account of the said Sinking Funds as shown in the Bank's Pass Books were also verified and found correct.

21. The balances of the several Reserve Funds, *viz.*, the "Municipal Fire and Accident Insurance," "Worn-out Water Mains Renewal," "Municipal Land and Buildings" and "Net Premia" amounted to Rs. 14,94,597-1-11 on the 31st March 1918 (Rs. 14,94,192-3-0 in securities of the nominal value of Rs. 14,96,400, as shown below, and Rs. 404-14-11 in cash).

	Nominal Value.			Actual Value.		
	Rs.	a.	p.	Rs.	a.	p.
Municipal Fire and Accident Insurance Fund..	2,51,700	0	0	2,51,443	2	0
Worn-out Water Mains Renewal Fund ...	6,17,500	0	0	6,16,668	7	0
Municipal Land and Building Fund ...	3,49,000	0	0	3,49,000	0	0
Net Premia Fund	2,78,200	0	0	2,77,080	10	0
Total Rs. ...	14,96,400	0	0	14,94,192	3	0

The Bank's safety receipts for the above securities and the Bank's Pass Book for the Cash Balances were examined and found to be in order.

22. The safety receipts for Government and other securities aggregating Rs. 3,84,900, received from the Municipal employés and contractors and those belonging to the several Memorial funds and lodged with the Bank of Bombay were examined and found to be in order. The securities other than Government Paper furnished by the Municipal employes were also examined with the Registers maintained in the office of the Chief Accountant.

23. The balance of stock in hand on the 31st March 1918 as per the books of the Chief Accountant, compared with that of the preceding year, was as follows:—

Department.	1916-17.	1917-18.
	Rs. a. p.	Rs. a. p.
Executive Engineer's Department	610 8 0	933 6 0
General Stores Department.		
General Stores	4,89,210 1 3	5,87,969 10 11
Surplus and Obsolete Stores	3,182 8 0	3,685 4 0
Line Suspense Account	89,175 1 0	1,01,396 12 4
Total Rs. ...	5,31,567 10 3	6,92,451 11 3
Stores (Sales)	25,566 3 5	23,126 2 1
Water Works Imprest	3,088 13 3	4,918 11 4
Stock Adjustment Account	—1,239 14 1	—1,938 0 11
Total Rs. ...	27,415 2 7	26,106 12 6
Grand Total Rs. ...	5,59,593 4 10	7,19,491 13 9

24. In accordance with the instructions contained in para. XXIX of the Stores and Stores Audit Manual, a balance sheet of the General Stores Department has been prepared in the form prescribed in Appendix O of the Manual, wherein two sets of figures have been given, one set from the Books of the Chief Accountant and the other from the Balance Sheet of the Storekeeper. The difference in the balances as shown in the two sets of figures has been explained by a foot note in the statement attached hereto.

H. S. KATRAK,

BHUKHANDAS B. DESAI,

Municipal Auditors.

BOMBAY, *4th September* 1918.

Statement of Stores Transactions for the year ending 31st March 1918.

(Appendix **O** of the Stores and Stores Audit Manual.)

General Stores Department.	Figures as per books of the Chief Accountant.					Figures as per Balance Sheet of the Storekeeper.				
	Balance on 31st March 1917.	Receipts during 1917-18.	Total.	Issues during 1917-18.	Balance on 31st March 1918.	Balance on 31st March 1917.	Receipts during 1917-18.	Total	Issues during 1917-18.	Balance on 31st March 1918.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
General Stores ...	4,39,210 1 3	9,80,203 9 11	13,69,413 11 2	7,81,444 0 3	5,87,969 10 11	4,30,697 15 2	9,27,041 10 4	13,67,789 9 6	8,24,201 0 3	5,43,538 9 3
Surplus and Obsolete Stores	3,182 8 0	.....	3,182 8 0	97 4 0	3,085 4 0	3,182 8 0	4 4 4	3,186 13 4	97 4 0	3,089 8 4
Line Suspense Account	89,175 1 0	27,977 8 0	1,17,152 9 0	15,755 12 8	1,01,396 12 4	89,175 1 0	27,977 8 0	1,17,152 9 0	15,755 12 8	1,01,396 12 4
Total Rs. ...	5,31,567 10 3	9,58,181 1 11	14,89,748 12 2	7,97,297 0 11	6,92,451 1 11 3	5,23,055 8 2	9,65,023 6 8	14,88,078 14 10	8,40,054 0 11	6,48,024 13 11
									Difference ..	44,426 13 4
										6,92,451 11 3

The difference of Rs. 44,426-13 4 between the balances on 31st March 1918, as shown above, is mainly due to non adjustment in the books of the Chief Accountant of the value of stores issued to different Departments which will be adjusted in the next year's accounts.

H. S. KATRAK,
BHUKHANDAS B. DESAI,
Municipal Auditors

BOMBAY, *4th September* 1918.

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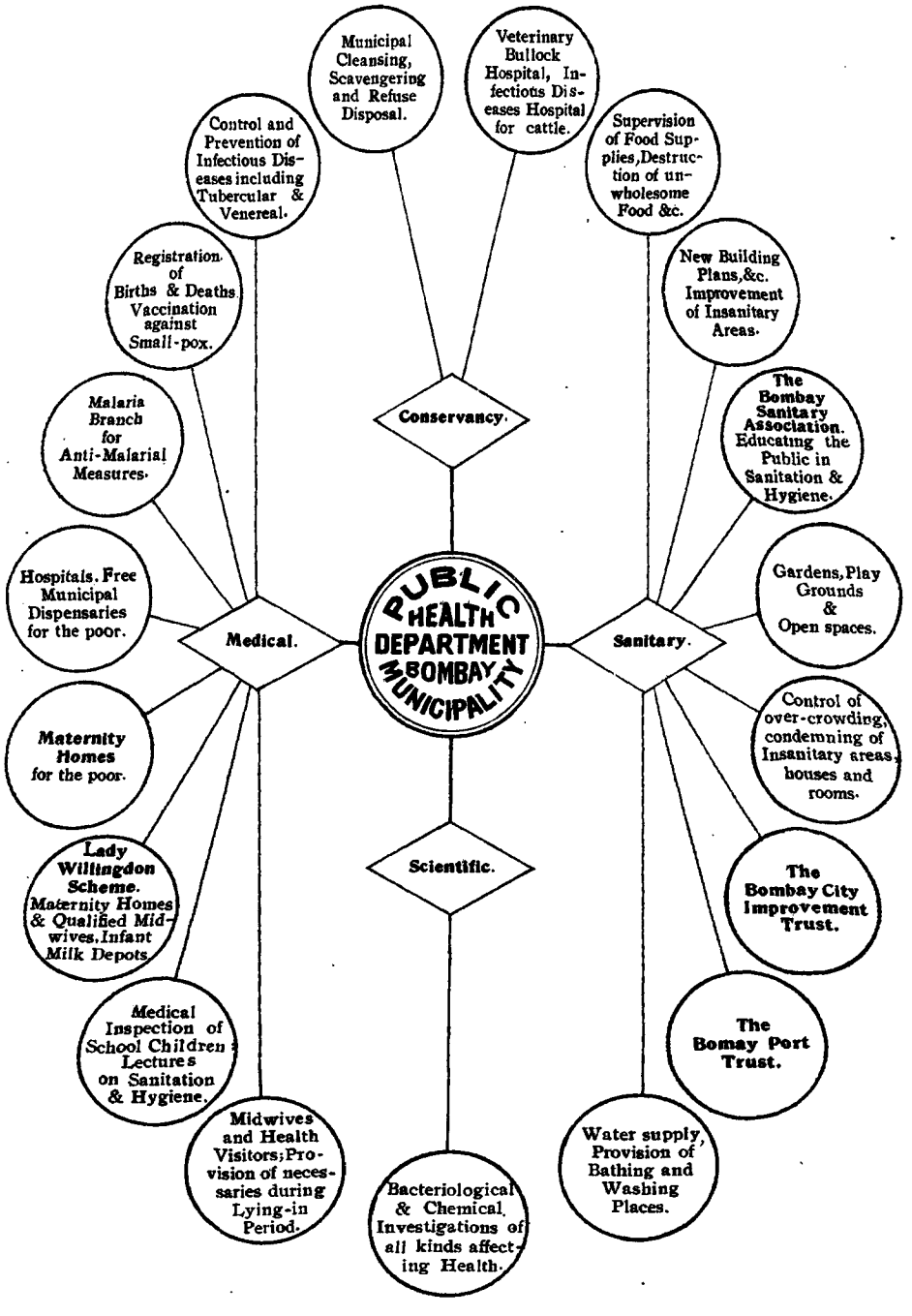
SCHEME OF GENERAL SANITARY ADMINISTRATION BOMBAY.


PUBLIC HEALTH DEPARTMENT BOMBAY MUNICIPALITY
Medical.
Conservancy.
Sanitary.
Scientific.
Municipal Cleansing, Scavengering and Refuse Disposal.
Veterinary Bullock Hospital, Infectious Diseases Hospital for cattle.
Control and Prevention of Infectious Diseases including Tubercular & Venereal.
Supervision of Food Supplies, Destruction of unwholesome Food &c.
Registration of Births & Deaths. Vaccination against Small-pox.
New Building Plans, &c. Improvement of Insanitary Areas.
Malaria Branch for Anti-Malarial Measures.
The Bombay Sanitary Association. Educating the Public in Sanitation & Hygiene.
Hospitals. Free Municipal Dispensaries for the poor.
Gardens, Play Grounds & Open spaces.
Maternity Homes for the poor.
Control of over-crowding, condemning of Insanitary areas, houses and rooms.
Lady Willingdon Scheme. Maternity Homes & Qualified Midwives. Infant Milk Depots.
The Bombay City Improvement Trust.
Medical Inspection of School Children: Lectures on Sanitation & Hygiene.
The Bomay Port Trust.
Midwives and Health Visitors; Provision of necessaries during Lying-in Period.
Water supply, Provision of Bathing and Washing Places.
Bacteriological & Chemical Investigations of all kinds affecting Health.

SHRI KARUNESH P. PRESS, BOMBAY No 4

PUBLIC HEALTH.

Annual Report of the Executive Health Officer for 1917.

Introductory Remarks.

The year has been marked by several circumstances which bear directly and indirectly on the sanitary administration of the City.

War conditions which have affected other large cities have made themselves felt in Bombay, only in a different form.

After the exodus in 1915, which was only a temporary emigration of certain classes, people thronged into Bombay—where the attraction of high wages and employment brought thousands of persons from the mofussil towns, and I am strongly of opinion that, if a Census of the City had been taken in the middle of 1917, the population would have been found to be much over 11 lakhs.

The effects the War has had on Bombay are many:—

(1) The increase in the population, male and female.
(2) The increase in the birth-rate and in the mortality.
(3) The overcrowding of the City in every direction.
(4) The increase in the rents of houses and prices of foodstuffs.
(5) The increase in the income of the great majority of the labour classes and richer classes engaged in trade and commerce; while there was a reduction in the income of the salaried and official and labour classes owing to taxation and increase in the cost of living.

The increase in the population due to either of the causes mentioned above would be sufficient in normal times to disturb the vital statistics, but when added to this is the presence of Plague, Cholera, Small-pox and other diseases in the mofussil towns and districts inducing the people to leave their homes and come to Bombay, already an overcrowded City, with its many insanitary areas, it is not difficult to understand that the health conditions of the City may have suffered.

To compete with the circumstances surrounding a progressive and rapidly expanding City like Bombay is difficult in normal times, but when added to this are constant emigration of people from infected areas, the enormous traffic by sea or land and sick and wounded bringing Bombay into a unique position, it would not be surprising to find that the adverse influences had affected the City to a greater extent. I pointed this out in a note to the Municipal Commissioner in January 1917 suggesting that we must be prepared for an emergency and the Commissioner agreed in my proposals and strengthened the Conservancy Staff and appointed a Special Assistant Health Officer to take the place of Dr. Goldsmith while he was on leave.

Although my prophecy was correct that we should have to deal with the introduction of infectious diseases as well as a large increase of work to the out-door staff, on the whole, we have come off fairly well. No serious epidemic occurred during the year.

As in other cities, new works and new proposals entailing expenditure have had to be dropped, and the improvement of the drainage of houses and the reduction of the privy basket system has not progressed as rapidly as we could wish; while little has been done in improveing insanitary areas, and the drainage of the north of the Island.

Considering all the circumstances, Bombay has suffered less than might have been expected, and the pinch of war has affected it only in the directions mentioned. But we are now beginning to feel the result of the increase in the overcrowded condition of the City.

In August 1917, I represented to the Municipal Commissioner that in order to cope with the extra work, extra facilities should be given and this was done. Considering all this, the conservancy of the City has been carried out satisfactorily.

I pointed out in my Annual Report for 1916 that little or no progress had been made in many directions in which one could reasonably expect improvement, and these questions are now receiving attention. Circumstances of War and financial stringency, however, bar our way and very little progress was made in 1917.

It may not be necessary to repeat what has been said so often regarding the insanitary areas of the City; but unless this question is kept well before the Corporation and the Public, I fear very little will be done. The Commissioner is, however, pressing this question and we may expect to see some good results very shortly.

During the year an investigation was made of the condition of the water supply and Colonel W. W. Clemesha, I.M.S., Sanitary Commissioner with the Government of India, was appointed to investigate and report. This was done and the report and the voluminous correspondence on the subject have been considered and it has been decided to filter the Tulsi Lake water. This is a very urgent question and the work should be carried out without any more delay.

Review of the health conditions of 1917.

In the year under report there was no epidemic incidence of any disease except Plague, the mortality from which was the lowest (1,706) since Plague began in 1896 except in 1915 (599).

The mortality from all causes was 33,390; 2,816 more than in 1916 but 469 less than the average of the preceding ten years (33,859). The number of deaths among new arrivals not belonging to the City was unprecedentedly high, namely, 1,752; inclusive of these, the death-rate per 1,000 of population was 34·09.

The number of live births registered during the year was 21,651, the highest on record, and was 471 more than in the preceding year and 1,359 more than the average of the preceding decennium; the ratio per 1,000 of population being 22·10.

In my report for the third quarter of 1917, I remarked that apart from the natural increase in the population since the Census of 1911, there was a large floating and semi-permanent population in the City. "The War and Military Hospitals (11 in number) and Labour Camps are full and there is a large increase in the labour classes working in the Docks and Railways, &c., and a considerable number of Military Officers and their families, while all the hotels are overcrowded. Judging from the very large increase in the number of births and the returns of passengers conveyed by trams in the City, which indicate an increase in the number of passengers travelling of about five lakhs every month compared with the preceding year, the population cannot be less than 11,00,000."

The health conditions of the City during 1917 were, all things considered, very satisfactory. They compare very favourably with those of a normal year *before* the War. There was no epidemic incidence of any disease except Plague, and this was of the mildest proportions recorded (1,706 deaths, death-rate 1·74) except in 1915 (599 deaths, death-rate ·61) which was quite an exceptional year of records in many respects.

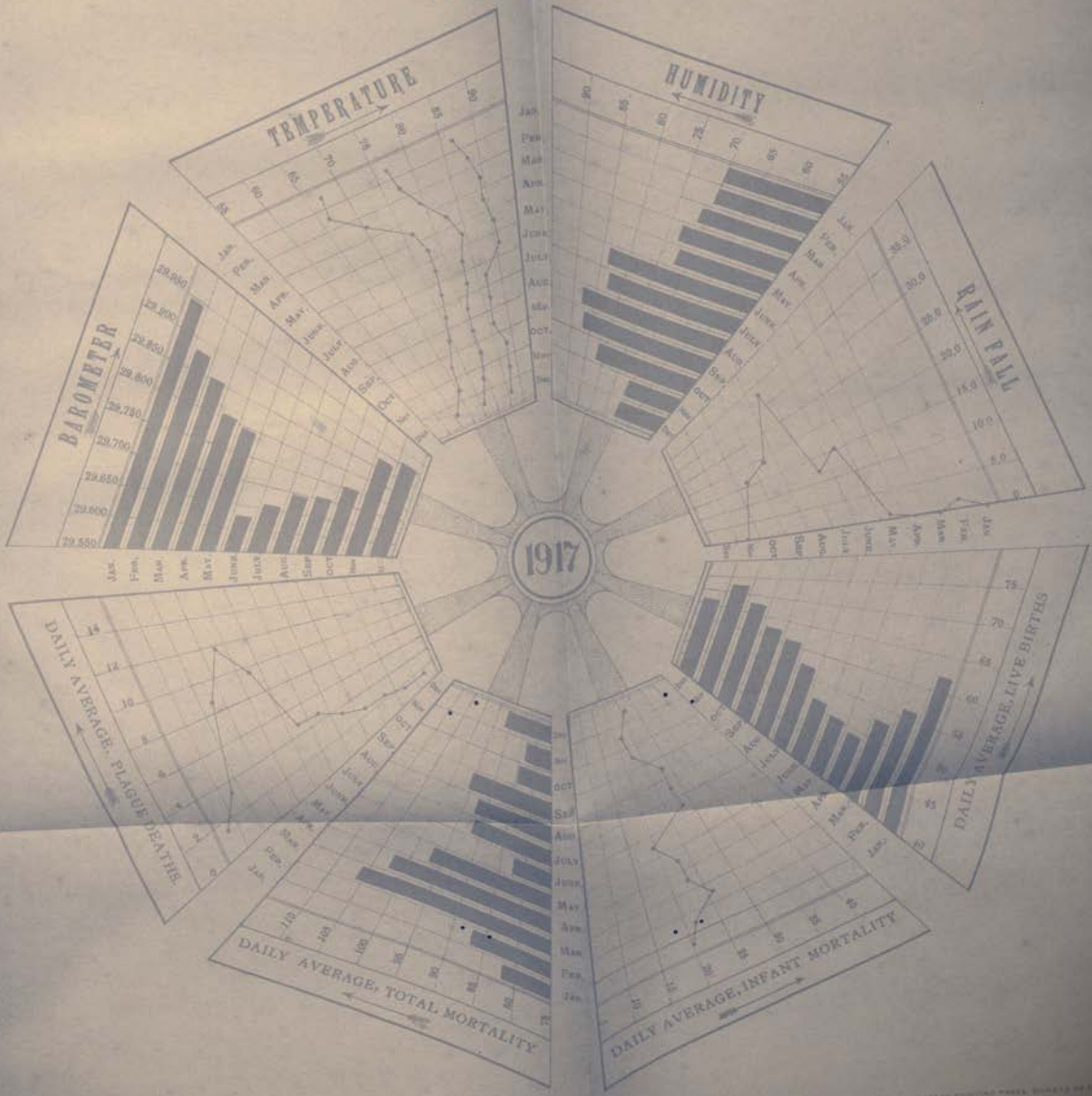
The year 1913 immediately preceding the War may be taken for comparison. It was a very healthy year and the death-rates from the principal diseases in that year may be compared with those in 1917. The rates given are per 1,000 of the population by the Census of 1911, namely, 9,79,445.

Cause of Death.	Death-rate.	
	1913.	*1917.*
Plague	2·66	1·74
Small-pox	·21	·27
Cholera	·12	·06
Fevers	3·10	2·50
Measles	·22	·22
Diarrhœa and Dysentery	3·23	2·64
Tuberculosis	2·19	2·16
Total mortality in *1913.* 31,806 *1917.* 33,390 ...	32·47	34·09

Number of live-births registered in	*1913.*	*1917.*
	19,644	21,651
	(20·05)	(22·10)

DIAGRAM

DAILY MEAN BIRTHS, DEATHS AND CLIMATIC CONDITIONS IN BOMBAY IN 1917.



On the other hand, the number of deaths among new arrivals not belonging to the City was 1,752 in 1917, the highest on record, against 527 in 1913.

With health conditions in 1917 somewhat more satisfactory than in 1913, the increase recorded in 1917 in the number of births as well as in the number of deaths among new arrivals, both of which were higher than in any previous year, would appear to point to an increase in the actual population; this conclusion is strengthened by known facts cited above and the evidence afforded by the steady annual increase in tramway traffic. We have no tramway figures for 1913.

Calculated on the increase in the birth-rate alone, the population in 1917 works out to 10,79,587. To this must be added the large influx of people owing to commercial prosperity and the demand for labour as well as the troops and followers, the inmates of hospitals and labour camps, etc., which confirm the estimate given above, that the population was not less than 11,00,000 in 1917.

Considering these facts, the general health conditions of the City during the year under report may be pronounced to have been very satisfactory.

Rainfall.

The following table shows the monthly and total rainfall in the City during the last eleven years:—

Years	January to June.	July.	August.	September to December.	Total.
1907	22·82	59·26	15·93	2·77	100·78
1908	15·41	21·13	9·67	7·33	53·54
1909	16·68	31·37	7·82	15·35	71·22
1910	23·95	7·42	16·89	19·60	67·86
1911	10·95	15·89	16·90	2·77	46·51
1912	11·22	25·77	9·70	7·36	54·05
1913	25·81	33·58	3·47	8·10	70·96
1914	16·84	31·12	12·44	21·22	81·62
1915	41·51	14·39	8·93	12·85	77·68
1916	23·66	25·10	17·19	20·10	86·05
1917	**17·89**	**12·91**	**33·27**	**35·69**	**99·76**

During the period under review rain fell on 134 days against 128 in 1916 and 100 in 1915; 2 days in February, 9 days in May; 25 days in June; 27 days in July; 28 days in August; 25 days in September and 18 days in October. The maximum monthly rainfall was 33·27 in August against 25·10 inches in July 1916 and 40·10 in June 1915. The rainfall was more abundant than in any other year since 1907 and 28·61 inches above the City's normal (71·15).

Readings of the Thermometer.

MONTHS.	1912.			1913.			1914.			1915.			1916.			1917.		
	Maximum.	Mean.	Minimum.	Maximum.	Mean.	Minimum.	Maximum.	Mean.	Minimum.	Maximum.	Mean.	Minimum.	Maximum.	Mean.	Minimum.	Maximum.	Mean.	Minimum.
January ..	88·5	76·9	66·4	84·5	75·	65·4	87·2	68·7	77·0	84·7	75·4	64·4	87·8	77·6	66·3	86·4	76·7	67·0
February ..	88·1	77·3	66·7	84·6	76·5	64·8	84·5	69·4	76·0	82·2	74·9	64·4	83·3	74·8	61·4	88·1	77·2	66·2
March ..	89·2	78·9	70·8	86·0	77·6	69·5	86·5	69·2	78·0	90·2	79·8	71·0	89·2	81·3	71·2	89·5	79·7	70·2
April ..	90·7	84·5	74·2	89·3	83·7	72·5	89·5	74·4	81·9	90·2	83·9	76·2	91·1	83·7	76·6	89·1	82·9	76·6
May ..	91·9	86·5	79·4	92·4	86·5	79·4	91·8	80·8	86·5	92·6	87·0	80·4	92·2	85·9	79·3	90·3	84·6	77·7
June ..	93·4	85·4	76·8	93·0	83·7	74·3	91·6	77·4	85·0	92·6	85·0	77·6	89·3	83·4	77·1	90·3	83·7	77·6
July ..	87·4	82·1	76·9	86·6	81·6	74·8	88·7	76·2	82·2	88·2	82·8	76·1	87·4	81·7	76·2	86·9	82·6	76·4
August ..	85·3	81·0	75·5	85·6	81·4	75·7	85·4	76·8	81·2	85·8	81·6	75·7	86·1	81·3	76·6	85·6	80·4	75·7
September ..	87·3	81·8	76·4	87·1	81·2	76·0	86·6	76·8	81·5	86·3	81·5	76·6	86·9	80·9	76·4	85·7	80·2	74·7
October ..	91·3	82·6	74·2	89·4	82·7	75·0	92·2	76·5	84·4	89·1	81·2	75·2	88·0	81·6	75·4	88·2	80·4	71·6
November ..	91·6	80·3	68·8	89·2	79·8	70·5	91·7	73·4	82·7	89·2	81·7	73·2	87·2	81·1	74·3	87·2	78·6	70·3
December ..	85·9	77·6	68·4	87·0	76·6	64·7	88·4	66·7	77·4	87·4	76·9	68·2	86·3	77·1	66·7	85·2	75·5	65·2

Table of Births and Deaths registered from Principal Causes during 1901-1917.

Year.	Births (excluding still-born).		Deaths from all causes (excluding still-born).		Plague.		Small-pox.		Cholera.		Malaria.		All Fevers (including Malaria.)		Measles.		Diarrhœa & Dysentery.		Tuberculosis.		Nervous Diseases.		Respiratory Diseases.		Infant Mortality.		Mortality of Children (1 to 5 years).		Still-born.
	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000.	No. registered.	Rate per 1,000 of living registered.	No. registered.	Per cent. to total mortality.	
1901	13,339	17·42	59,495	76·66	18,736	24·14	159	·20	198	·25	..	..	7,921	10·20	67	·08	3,716	4·7	7,089	9·13	2,971	3·8	7,804	10·05	7,768	574·5	4,200	7·05	2,153
1902	17,599	22·67	48,418	62·38	13,820	17·80	288	·37	75	·09	..	..	4,518	5·82	642	·82	3,641	4·6	4,595	5·92	3,027	3·9	7,250	9·34	9,553	542·8	3,890	8·03	2,017
1903	16,375	21·10	50,513	65·09	20,788	26·78	1,477	1·90	17	·02	224	·27	2,500	3·22	1,115	1·43	2,760	3 5	3,475	4·47	2,282	2·9	7,101	9·15	8,718	532·3	4,987	8·09	2,818
1904	19,556	25·20	42,678	54·99	13,538	17·44	568	·73	219	·28	270	·34	2,530	3·26	229	·29	2,784	3·5	3,548	4·57	2,412	3·1	7,339	9·45	8,981	459·2	3,274	7·66	2,033
1905	19,141	24·66	47,762	61·54	14,198	18·29	2,161	2·78	26	·03	267	·34	2,878	3·70	630	·79	3,390	4·3	3,183	4·10	2,026	2·6	9,103	11·78	10,664	557·1	4,550	9·52	2,073
1906	20,769	21·24	52,874	54·07	10,823	11·06	276	·28	1,241	1·26	190	·19	4,882	4·99	936	·95	4,778	4·8	4,052	4·14	2,085	2·1	11,731	11·99	11,106	534·7	5,314	10·05	2,193
1907	19,535	19·97	38,687	39·56	6,389	6·53	86	·08	439	·44	149	·15	3,633	3·71	107	·10	3,489	3·5	3,440	3·51	1,863	1·9	9,022	9·22	8,276	423·6	3,670	9·48	1,830
1908	20,166	20·62	38,221	39·13	5,361	5·48	1,026	1·04	95	·09	331	·33	3,403	3·48	653	·66	3,184	3·2	3,023	3·09	2,083	2·1	8,954	9·15	9,077	450·1	4,173	10·90	1,918
1909	19,839	20·28	34,878	35·66	5,197	5·31	473	·48	727	·74	293	·29	2,809	2·86	75	·07	2,585	2·6	2,862	2·92	2,143	2·1	7,974	8·15	8,030	404·7	2,972	8·52	1,806
1910	19,939	20·39	34,933	35·72	3,656	3·73	1,008	1·03	107	·10	293	·29	3,113	3·18	184	·18	3,352	3·4	2,830	2·90	2,003	2·0	8,212	8·39	8,253	413·9	4,001	11·45	1,568
1911	21,376	21·82	34,961	35·69	4,006	4·09	443	·45	123	·12	334	·34	3,146	3·21	652	·66	3,075	3·1	2,694	2·75	2,006	2·0	8,640	8·82	8,120	379·8	4,227	12·09	1,759
1912	21,518	21·96	38,954	39·77	1,717	1·75	979	·99	1,790	1·82	360	·36	3,585	3·66	210	·21	4,544	4·6	2,794	2·85	2,236	2·2	9,686	9·88	9,646	448·2	4,830	12·39	1,668
1913	19,644	20·05	31,806	32·47	2,809	2·66	212	·21	125	·12	261	·26	3,043	3·10	222	·22	3,173	3·2	2,152	2·19	1,965	2·0	8,604	8·78	7,488	381·1	3,661	11·51	1,502
1914	19,679	20·09	31,852	32·52	2,941	3·00	252	·25	221	·22	213	·21	2,877	2·93	263	·26	3,102	3·1	1,889	1·92	1,935	1·9	8,734	8·91	7,580	385·1	3,775	11·85	1,541
1915	20,932	20·47	23,681	24·17	599	·61	359	·36	16	·01	202	·21	2,091	2·13	70	·07	2,195	2·2	1,710	1·74	1,536	1·5	6,770	6·91	6,602	329·2	2,535	10·70	1,532
1916	21,180	21·62	30,574	31·21	1,987	2·02	1,021	1·04	141	·14	238	·24	2,141	2·18	344	·33	2,429	2·4	1,902	1·94	1,955	1·9	9,649	9·85	8,215	387·8	3,602	11·78	1,687
Average of 1907-1916	20,232	20·73	33,859	34·55	3,446	3·52	585	·59	378	·38	268	·27	2,983	3·04	278	·28	3,111	3·17	2,530	2·58	1,972	2·01	8,624	8·81	8,128	400·5	3,744	11·05	1,692
Average of 1912-1916	20,414	20·84	31,374	32·03	1,971	2·01	565	·57	459	·46	256	·26	2,747	2·80	222	·22	3,087	3·15	2,089	2·13	1,925	1·96	8,689	8·87	7,906	387·8	3,681	11·73	1,698
1917	21,651	22·10	33,390	34·09	1,706	1·74	269	·27	61	·06	262	·26	2,449	2·50	221	·22	2,591	2·64	2,118	2·16	2,063	2·10	11,231	11·46	8,970	409·6	3,939	11·79	1,883

Principal Statistics for 1917.

The principal statistics for the year are as follows :—

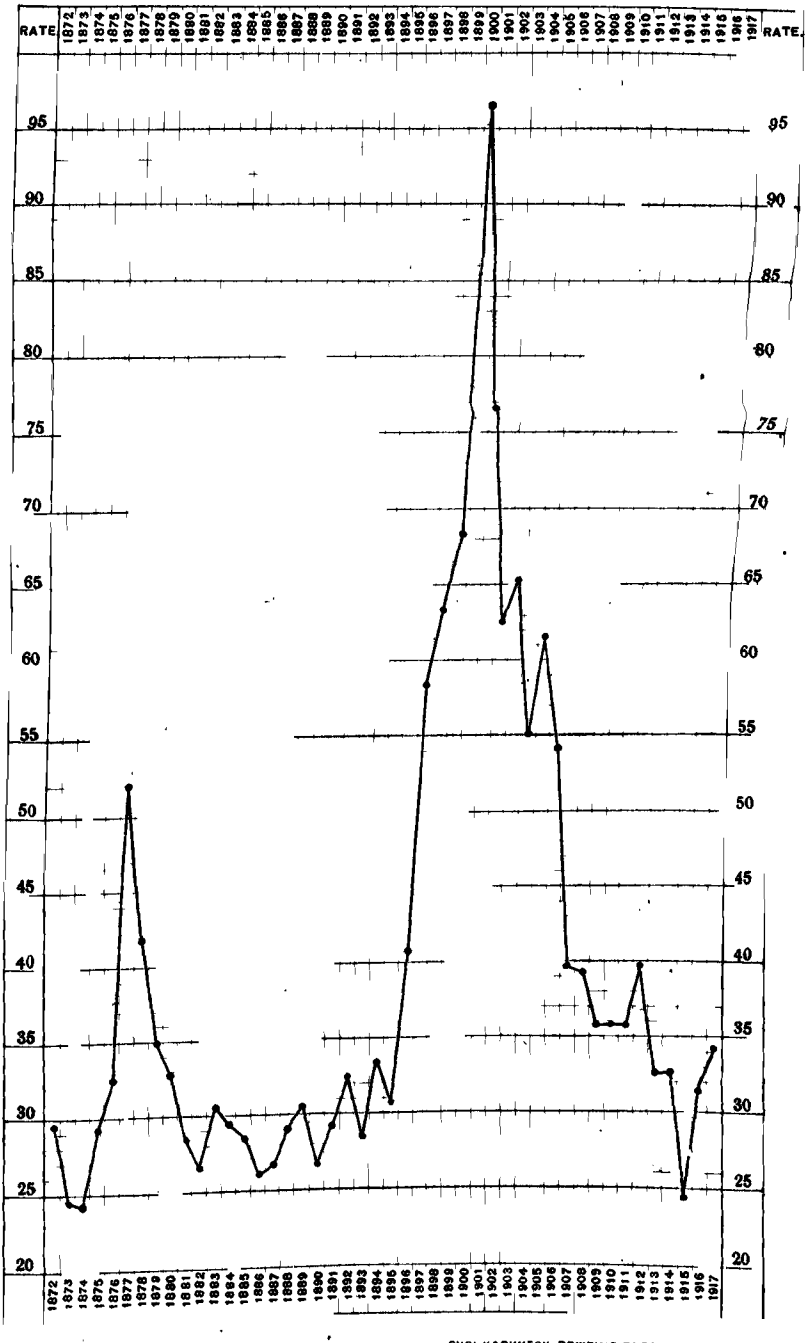
Area of Bombay City and Island	22·55 sq. miles.
Population—by the Census of 1911..	979,445
Average density of population over the whole Island ..	67 per acre.
Total rainfall	99·76 inches.
Number of still-births	1,888
Number of live births registered	21,651
Birth-rate per 1,000 of population..	22·10
Number of deaths from all causes	33,390
Death-rate per 1,000 of population..	34·09
Number of deaths of infants (under 1 year)	8,870
Infantile death-rate per 1,000 births registered	409·6
Number of deaths of children, 1 to 5 years	3,939
Death-rate of children, 1 to 5 years, per 1,000 of child population	11·79
Number of deaths from Plague	1,706
Death-rate from Plague	1·74
Number of deaths from Small-pox	269
Death-rate from Small-pox	·27
Number of deaths from Cholera	61
Death-rate from Cholera	·06
Number of deaths from Malaria	262
Death-rate from Malaria	·26
Number of deaths from all Fevers including Malaria ..	2,449
Death-rate from Fevers	2·50
Number of deaths from Measles	221
Death-rate from Measles	·22
Number of deaths from Tuberculosis	2,118
Death-rate from Tuberculosis	2·16
Number of deaths from Respiratory Diseases	11,231
Death-rate do. do.	11·46

The total mortality was 33,390 being 2,816 more than in 1916. The corresponding death-rate was 34·09 in 1917 against 31·21 per 1,000 of the population in 1916.

DIAGRAM

ANNUAL DEATH-RATE IN BOMBAY

1872–1917



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Births.

The number of births registered during the year, exclusive of 1,888 still-born, was 21,651—the highest on record. It was 471 more than in 1916 and 1,359 more than the decennial average (1907-1916). The birth-rate per 1,000 of population therefore works out to 22·10 against 21·62 in 1916 and was higher than in any previous year since 1905 (24·66).

Of the total number of births registered (21,651), 11,059 were male and 10,592 female; the male births were therefore to the female births in the proportion of 1,044 to 1,000, the respective birth-rates per 1,000 of sex population being 17·27 and 31·23 against 16·82 and 30·69 in 1916.

Calculation of birth-rate.

I have pointed out in my previous reports that the birth-rate stated in terms of total population (crude birth-rate) must vary with the proportion of females of conceptive ages in the population and with the age constitution of the married female population. In the case of a City like Bombay where the abnormal constitution of the population is very marked (as the proportion of males to females is 2 : 1), the birth-rate calculated on the total population of both sexes and all ages is obviously of little value. To get at a correct estimate, the birth-rate should be calculated on the number of potential mothers, *i.e.*, women of 15-45 years of age. If, therefore, the birth-rate for 1917 be calculated on the number of possible mothers disclosed by the Census of 1911 (2,08,516), it works out to 103·83 against 101·57 in 1916, 96·16 in 1915, and 93·93 in 1906, when the number of possible mothers (women aged 15-45 years) was greater than in 1911. The results of calculating the proportion of registered births (1) to the total population of both sexes and all ages and (2) to the female population aged 15-45 years are embodied in the following table :—

CENSUS YEAR.	Proportion per cent. of women aged 15—45 years in the total population of both sexes and all ages.	Proportion per cent. of married women in female population aged 15—45 years.	Of the married women aged 15—45 years, the proportion per cent. of four groups of ages.				Persons married to 1,000 marriageable persons in the population.	Birth-rate calculated.		
			Aged 15—20 years.	Aged 20—25 years.	Aged 25—35 years.	Aged 35—45 years.		On the number of Births registered in	Per 1,000 of total population at all ages.	Per 1,000 of female population aged 15—45 years.
1901	22·05	77·08	18·55	25·80	39·35	16·49	714·34	1901	17·42	79·00
1906	22·61	77·04	17·62	27·09	39·89	14·77	738·45	1906	21·24	93·93
1911	21·28	76·75	18·25	27·30	39·69	14·75	716·75	1917	22·10	103·83

Birth rate.

It has been stated that the number of births registered was the highest on record. But the birth-rate (22·10) was not, as much higher rates were recorded in 1904 (25·20) and 1905 (24·66). These latter ratios, as they were on the Census population of 1901 (7,76,006), were later found to have been fallacious; for admittedly, the Census of 1901 was "taken at a very unfavourable time when Plague was raging with great virulence (the mortality from the disease having been 13,285 in 1900 and 18,736 in 1901), and in consequence a large exodus of the population of the City had taken place." The results then obtained were therefore not considered to represent the real state of the population during normal times and a fresh enumeration was made in 1906 with the result that the population was found to be 9,77,822. If allowance be made on this account, the birth-rate in 1917 will be found to have been the highest yet registered.

The birth-rate of Calcutta registered in 1916, with a population of 8,96,067 by the Census of 1911, was 20·9 per 1,000 living. The highest birth-rate registered in that city was 22·9 in 1909 calculated on the population enumerated at the Census of 1901 (8,47,796).

In Birmingham with a population (8,95,678) nearly the same as Calcutta, the birth-rate was 23·1 in 1916.

The birth-rate in the City of Liverpool with an estimated population of 7,77,247 in 1916 was 26·6. This is considerably above the average of the great towns in the United Kingdom which is 23·0 per 1,000 of population, as well as of England and Wales taken as a whole where the rate is 21·6. In 1916 it was 20·09 in England and Wales—the lowest on record. On this point, the Registrar General observes :—"Although this rate is 4·6 below the average for the ten years 1905-1914 which were unaffected by the War and 1·0 below the rate in 1915 (21·9), the fall during 1916 is little greater than several which have been recorded recently under peace conditions. The fall would have been greater but for the circumstances as regards recruiting for the army which forced up the marriage rate during the last three quarters of 1915. The provisional figures for the first three quarters of 1917 indicate an acceleration of the rate of decline."

Besides the factors which influence in common the birth-rate of every community, there are some peculiar to this City: (1) the fairly well-established custom of sending prospective mothers home to their parents, away from the overcrowded houses of an overcrowded City—so that there is in the City a number of children of mothers belonging to but born outside the City and therefore not registered; (2) the omission of parents or relatives to register births, through ignorance or neglect so that there is a considerable number of children who have escaped registration.

Corrected number of births and birth-rate.

During the year 1917—5,372 of such children under one year of age were primarily vaccinated in Bombay; but a large number must have escaped vaccination either by death or postponement. It will be seen from Table 22 appended to this report, that 71·56 per cent. of the births registered were vaccinated during the year; it may therefore be assumed that 71·56 per cent of the unregistered children also were vaccinated, the balance of 28·44 per cent. having escaped vaccination either by death or postponement.

Thus the infant population in the City during the year under report works out as follows:—

Number of births registered	21,651
Number of births unregistered (of children primarily vaccinated in Bombay)	5,372
Number of births unregistered and which escaped vaccination being 28·44 per cent.	2,135
Total number of births ...	29,158

giving the birth-rate of 29·76 per 1,000 of population.

Prosecution for omission to report births.

No prosecution under Section 446 (1) of the City of Bombay Municipal Act for failure to notify the occurrence of births to this Department was instituted during the year.

Births by months.

The following statement shows the number of births registered during the several months of the year. It will be observed that beginning with January which recorded 1,941 births, there is an alternation of decrease and increase in the subsequent months until the lowest monthly number of 1,555 was reached in June; then followed a gradual rise until the maximum of 2,173 was registered in November. This is the usual course which natality follows in this City with slight variations if any from year to year.

MONTHS.	No. of births registered in 1917.	No. of births registered in 1916.	No. of births registered in 1915.
January	1,941	1,921	1,693
February	1,574	1,571	1,417
March	1,643	1,496	1,362
April	1,476	1,396	1,363
May	1,573	1,515	1,353
June	1,555	1,478	1,423
July	1,781	1,710	1,612
August	1,877	1,763	1,712
September	1,879	1,891	1,854
October	2,100	2,195	2,097
November	2,173	2,178	2,037
December	2,079	2,066	2,129
TOTAL ...	21,651	21,180	20,052

Births by races.

TABLE OF BIRTH-RATES FOR THE DIFFERENT RACES OF THE CITY FOR 1916-1917.

RACE OR CASTE.	Population by the Census of 1911.	Birth-rate for 1916.	Birth-rate for 1917.
Hindus. Jains	20,460	15·78	13·97
Hindus. Brahmins	53,656	11·10	12·33
Hindus. Lingaits	1,179	47·49	61·91
Hindus. Bhatias	7,780	16·70	17·09
Hindus. Hindus of other Castes	547,192	18·20	18·71
Hindus. Hindus, Low Caste	54,235	55·49	56·99
Mussalmans (including Negro-Africans)	179,346	22·20	22·05
Parsees	50,931	28·03	28·27
Jews	6,597	32·28	38·95
Indian Christians	41,273	27·37	28·29
Eurasians	4,188	35·10	28·89
Europeans	11,894	15·46	16·64
Buddhists	578	13·84	19·03
Other and Unknown Castes	136	80·88	102·94
Total	979,445	21·62	22·10

The birth-rate registered for the whole population was 22·10 against 21·62 in 1916 and was the highest since 1905 (24·66).

Taking the Hindu communities as a whole the birth-rate registered by them works out to 21·16 against 20·56 in 1916 and 19·22 in 1915.

Among the different races inhabiting the City, Hindus low-caste and Lingaits recorded the highest rates during the year as in the preceding, 56·99 being registered by the former and 61·91 by the latter against 55·49 and 47·49 respectively in 1916; the lowest rate (12·33) was recorded by Brahmins against 11·10 in 1916.

Compared with 1916 every community showed an improvement in the birth-rate with the exception of Jains (13·97), Mussalmans (22·05) and Eurasians (28·89) who registered a decline. The birth-rate among Jews improved from 32·28 in 1916 to 38·95 in 1917, Lingaits from 47·49 to 61·91, Europeans from 15·46 to 16·64 and Buddhists from 13·84 to 19·03; while the birth-rate among Eurasians dropped from 35·10 to 28·89, among Jains from 15·78 to 13·97 and among Mussalmans (including Negro-Africans) from 22·20 to 22·05; Parsees (28·27) showed a slight improvement; among Indian Christians (28·29) and Europeans (16·64) the increase, compared with 1916, was much higher.

Birth-rate by Sections.

TABLE OF BIRTH-RATES FOR THE DIFFERENT SECTIONS IN THE CITY FOR 1916-1917.

Ward.	Sections.	Population by the Census of 1911.	Birth-rate for 1916.	Birth-rate for 1917.
A	Upper Colaba	1,557	66·15	59·08
	Middle and Lower Colaba	19,679	16·14	17·12
	Fort, Southern	3,462	4·33	10·39
	Fort, Northern	25,400	27·16	24·56
	Esplanade	17,761	14·24	15·53
B	Mandvi	33,202	16·35	14·72
	Chukla	24,231	18·81	18·77
	Umarkhadi	45,679	28·39	28·74
	Dongri	27,246	17·43	16·84
C	Market	30,172	11·13	10·83
	Dhobi Talao	38,684	22·07	22·77
	Fanaswadi	27,403	21·85	23·79
	Bhuleshwar	36,459	18·07	16·87
	Khara Talao	22,979	24·06	24·58
	Kumbharwada	27,703	23·49	24·11
D	Khetwadi	31,937	27·13	25·95
	Girgaum	30,779	23·78	24·98
	Chowpati	11,397	23·60	24·12
	Walkeshwar	10,640	21·42	23·59
	Mahalakshmi	26,302	27·10	27·79
E	Mazagon	30,075	25·70	25·10
	Tarwadi	28,424	30·22	31·55
	Second Nagpada	21,700	23·08	23·08
	Kamathipura	36,751	23·07	22·88
	Tardeo	27,758	25·00	26·40
	Byculla	75,348	23·96	25·46
	First Nagpada	6,414	26·03	27·43
F	Parel	45,474	19·28	19·08
	Sewri	19,067	23·12	22·76
	Sion	30,680	26·82	26·62
G	Mahim	30,492	29·71	31·02
	Worli	89,611	22·25	22·87
	Harbour, Docks, Railways and Homeless	44,979	·04	·02
	Total	979,445	21·62	22·10

The recorded birth-rate for the entire City is 22·10 and the Sections with appreciably lower rates excepting Fort Southern, which is mostly a business locality, and Esplanade, are Middle and Lower Colaba (17·12), Mandvi (14·72), Dongri (16·84), Market (10·83), Bhuleshwar (16·97) and Parel (19·08).

The highest birth-rate was registered, as in 1916, in Upper Colaba (59·08); this is however lower than in that year (66·15); the next lower is 31·55 for Tarwadi. The lowest rate (10·39) was recorded, as in previous years, for Fort Southern, which is purely a business locality and not a residential one; the next lowest was 10·83 for Market Section.

Total Mortality and Death rate.

The total number of deaths registered from all causes during the year was 33,390, against 30,574 in 1916, being 2,816 more than in the latter year. The general death-rate recorded was 34·09 against 31·21 in 1916. The total mortality as compared with the preceding decennium (1907-1916) shows a decrease of 469 deaths.

The death-rate (like the birth-rate) is generally high amongst the poor and working classes; and as an unduly large proportion of the population of the City belongs to the most poorly paid sections of society, the general death-rate is raised by that of the unusually large proportion of the very poor. The Census of 1911 showed that 79 per cent. of the population lived in one room tenements.

The mortality of the City steadily fell from 79,350 in 1900 (rate 96·55) to 59,495 in 1901 (rate 76·66), and from 52,874 in 1906 (rate 54·07) to 38,271 in 1908 (rate 39·13); rose to 38,594 (39·77) in 1912 and then suddenly dropped to 31,806 (rate 32·47) in 1913 and further declined in 1915 to 23,681 (rate 24·17), which was the lowest mortality recorded since the appearance of Plague in 1896. In the following year it rose to 30,574 (rate 31·21) and to 33,390 (rate 34·09) in 1917.

The figure 33,390, however, represents the gross mortality of the City and is subject to correction. It is necessary on the one hand to exclude all deaths among persons newly arrived into the City and not belonging to it; and on the other to include all deaths occurring among those who belonging to it died elsewhere. The resulting mortality may be termed "corrected" mortality. Mortality is generally corrected for differences of sex and age constitution of the population; but it may also be corrected for other considerations, such as the exclusion of those, who, not belonging to the City helped to swell its mortality returns, and the inclusion of those, who belonging to it, went to die either (1) to their homes up-country or (2) to the numerous outlying sanatoria. Such adjustment is, quite as truly as the other, a process of correction and quite as necessary.

Adopting the suggestion of the Standing Committee of the Corporation made in their review of my Report for 1910, enquiries were, as in previous years, made of the authorities in charge of the following outlying sanatoria and convalescent homes with a view to ascertaining the number of deaths among those who belonged to Bombay and went to the institutions for treatment or change of air; (1) Deolali, (2) and (3) Nasik, (4) Dumas (Surat), (5) Khandala, (6) Poona, (7) Coorla, (8) Dharampur (Simla Hills), (9) Panchgani, (10) Karla, (11) Lonavla, and (12) Bandra.

The replies received from 8 of these show that 7 deaths among such persons occurred during 1917. It is obviously impossible to get at the number of those who died in their homes up-country; for we have no record of such deaths. On the other hand, the number of deaths among new arrivals not belonging to the City was 1,752 inclusive of 567 among the inmates of the different War Hospitals. Applying these corrections, the corrected mortality of the City, as based on the available data, works out to (33,390+7—1,752=) 31,645, giving the ratio of 32·30 per 1,000 of the population by the Census of 1911. Such an estimate of the City's mortality is desirable, as it marks a greater approximation to the truth than the bare statement of the number of deaths in the community. It is hardly necessary to observe that this approximation would be still closer, but for the absence of any data regarding deaths occurred up-country among the inhabitants of this City; this absence largely accounts for, if it did not also accentuate, the disparity between the factors of inclusion and exclusion; though as an off-set against the possible reduction due to the omission of such deaths may be mentioned those occurring among the undoubtedly large number who are attracted to the metropolis for various reasons—visitors bent on pleasure or business, vagrants, labourers in search of work, sick persons in search of expert medical advice, and others who come in order to be with their relations. In addition to these there has been a large influx from the various theatres of War due to Bombay being the chief port of embarkation and arrival of troops and to its position as the capital of the Presidency and the facilities it offers for the care and comfort of the sick and wounded; all these, though not proper units of the population are counted among them when they happen to die after a stay of more than ten days. It is however not improbable that in normal times the number of deaths occurring outside Bombay among its inhabitants and the number recorded in the City among those not belonging to it balance each other and the death-rate is not materially affected by the want of either figure.

The presence of large numbers of troops and sick and wounded and labour passing through the City and returning from Overseas must have some influence on these figures.

Mortality by Sex and Age-groups.

The following table of mortality is intended to show the proportional contribution to the total result under each age-group in the two sexes.

TABLE OF PERCENTAGES TO THE TOTAL MORTALITY BY AGE-PERIOD IN 1915, 1916 AND 1917.

Age-Period.	1915.		1916.		1917.					
					MALES.		FEMALES.		PERSONS.	
	Total Mortality.	Percentage.	Total Mortality.	Percentage.	No. of deaths.	Percentage.	No. of deaths.	Percentage.	No. of deaths.	Percentage.
Under 1 year... ...	6,602	27·87	8,215	26·86	4,634	24·59	4,236	29·10	8,870	26·56
1 to 5 years ...	2,535	10·70	3,602	11·78	1,928	10·23	2,011	13·81	3,939	11·79
5 to 10 ,, ...	723	3·05	1,049	3·43	502	2·66	586	4·02	1,088	3·25
10 to 15 ,, ...	633	2·67	1,052	3·44	536	2·84	482	3·31	1,018	3·04
15 to 20 ,, ...	1,553	6·55	2,149	7·02	1,287	6·83	1,037	7·12	2,324	6·96
20 to 30 ,, ...	3,788	15·99	5,149	16·84	3,334	17·69	2,109	14·49	5,443	16·30
30 to 40 ,, ...	2,344	9·89	3,137	10·26	2,326	12·34	1,147	7·88	3,473	10·40
40 to 50 ,, ...	1,772	7·48	2,010	6·57	1,549	8·22	769	5·28	2,318	6·94
50 to 60 ,, ...	1,622	6·84	1,809	5·91	1,293	6·86	753	5·17	2,046	6·12
60 years and upwards.	2,105	8·88	2,393	7·82	1,447	7·68	1,420	9·75	2,867	8·58
Unspecified Ages ...	4	0·01	9	·02	2	·01	2	·01	4	·01
Total ...	23,681	100·00	30,574	100·00	18,838	100·00	14,552	100·00	33,390	100·00

It will be noticed that in the year under review 18,838 deaths took place among the male and 14,552 among the female population of the City against 17,647 male and 12,927 female deaths in 1916. The male death-rate works out to 29·42 and the female to 42·90 per 1,000 of sex population, against 27·56 and 38·11 respectively in the preceding year.

Female deaths will be found to exceed the male deaths under the age-group of 1-5 years and 5 to 10 years; while under all other age-groups the mortality among males exceeds that among females.

The highest percentage of deaths to the total mortality among the male (24·59 per cent.), the female (29·10 per cent.) as well as the entire population (26·56 per cent.) will be found to have occurred, as usual, among infants, that is, in the first year of life; the next lower among the population of either sex as well as the total population (16·30) will be found in the group of 20-30 years (males 17·69; females 14·49); the next lower percentage of deaths (12·34) occurred among males in the age-group of 30-40 years, but among females (13·81) in the age-period of 1-5 years.

The lowest percentage of mortality among males (2·66) occurred during 5-10 years of life; among females (3·31) and the total population (3·04) in the age-period of 10-15 years.

Infant mortality.

The total mortality among infants or children upto one year of age recorded during the year under review was 8,870, showing an increase of 655 deaths compared with 1916 and of 964 above the average of the preceding quinquennium (1912-1916). The percentage of infant mortality to total mortality at all ages was 26·56 against 26.86 in 1916 and 27·87 in 1915. The ratio per 1,000 of births registered was 409·6 against 387·8 in 1916; the decennial average was 400·5.

These ratios are based on the actual number of births registered in the City; but for a correct estimate, the infant mortality has to be calculated on the corrected number of births, so as to include infants who died during the year without their births being registered. The corrected number of births, as we have seen above, works out to 29,158 and therefore gives an infant mortality equal to the ratio of 304·25 per 1,000 of births against 278·48 in 1916 and 235·4 in 1915.

It will be observed from the following table that Debility and the Diseases of the Respiratory and Nervous Systems caused in the aggregate nearly 79 per cent. (6,846) of the total infant mortality (8,870) against 73 per cent. (6,025) in 1916 and about 75 per cent. in 1915.

Infant mortality from Principal Causes.

Generally speaking these are a group of causes which have reference to the social environment and economic condition of the parents, as regards the home and its surroundings, occupations of mothers entailing hard work, their habits and poverty, all of which affect the mothers during pregnancy and influence the health of the child before and after birth, and aided by the unhygienic conditions in which a large proportion of the infants are born, help to swell the number of those who come into the world only to die.

INFANT MORTALITY FROM PRINCIPAL CAUSES FROM 1911 TO 1917.

Causes of Death.	1911.	1912.	1913.	1914.	1915.	1916.	Average (1912 to 1916).	1917.	Increase or Decrease.
Small-pox	98	274	55	60	64	259	142	70	— 72
Measles	233	82	66	82	104	134	94	83	— 11
All Fevers...	251	277	201	163	226	229	219	217	— 2
Diarrhœa and Dysentery ...	581	900	615	579	670	481	649	417	— 232
Premature Birth	175	219	181	187	182	357	225	346	+ 121
Debility	2,364	2,581	2,207	2,187	2,381	2,165	2,304	2,496	+ 192
Diseases of the Nervous System.	1,400	1,570	1,278	1,271	1,384	1,317	1,364	1,411	+ 47
Do. do. Respiratory System.	2,364	2,877	2,113	2,425	2,414	2,543	2,474	2,939	+ 465
All Causes	8,120	9,646	7,488	7,580	6,602	8,215	7,906	8,870	+ 964

As compared with 1916, the following decreases in infant mortality were in evidence under the following causes: Small-pox (-189), Measles (-51), Fevers (-12) and Diarrhœal Diseases (-64); on the other hand, Debility registered an increase of 331 and Respiratory Diseases of 396. The total increase under all causes was of 655 deaths.

The mortality among children born prematurely (346) during the year was higher than the average of the preceding five years (121) and lower by 11 than in 1916.

Infant mortality by Age-periods.

The following table classifies infantile deaths from principal causes under the three age-groups of 1-30 days, 1-6 months and 7-12 months during 1917; the corresponding figures for 1916 have been inserted for comparison.

TABLE OF DEATHS AMONG INFANTS FROM PRINCIPAL CAUSES BY AGE-PERIODS IN 1917 AND 1916.

Age-Period.	Year.	Small-pox.	Measles.	Malaria.	Ague and Remittent Fever.	Diarrhœa and Dysentery.	Premature Birth.	Debility.	Nervous System.	Respiratory System.	All Causes.	Percentage of deaths in each age-period to total deaths under 1 year of age.
1 to 30 days ...	1917	1	...	3	19	17	340	2,178	233	79	2,975	33·54
	1916	10	6	1	6	22	353	1,984	277	83	2,831	34·46
1 to 6 months ...	1917	23	20	4	74	124	6	267	845	1,139	2,692	30·35
	1916	118	39	2	87	150	4	157	727	1,111	2,575	31·34
7 to 12 months ...	1917	46	63	6	111	276	...	51	333	1,721	3,203	36·11
	1916	131	89	7	126	309	...	24	318	1,349	2,809	34·19
Total ...	1917	70	83	13	204	417	346	2,496	1,411	2,939	8,870	...
	1916	259	134	10	219	481	357	2,165	1,317	2,543	8,215	...

On examining the figures, it will be noticed that Small-pox (46), Measles (63), Fevers (111), Diarrhœal Diseases (276), and Diseases of the Respiratory System (1,721) were most fatal to infants in the age-period of 7-12 months, while deaths due to Diseases of the Nervous System (845) were most numerous in the age-group of 1 to 6 months: as those due to Debility were in the first 30 days. Out of 346 deaths which occurred during the year from immaturity at birth, 340 were in the first 30 days of life and the remaining 6 in the next age-periods.

The above table may be subjected to further scrutiny with the help of the following table which gives the percentage or proportion of mortality under each principal cause of death to the total mortality from all causes among infants in each of the three age-groups. The highest percentage of total infant mortality (36·11) was registered among children 7-12 months old and the lowest (30·35) in the age-period of 1-6 months.

TABLE OF PERCENTAGES OF INFANT DEATHS FROM PRINCIPAL CAUSES IN 1917.

Age-Period.	Small-pox.	Measles.	Malaria.	Ague and Remittent Fever.	Diarrhœa and Dysentery.	Premature Birth.	Debility.	Nervous System.	Respiratory System.	All Causes.
1 to 30 days	·08	...	·10	·64	·57	11·42	73·21	7·83	2·66	38·54
1 to 6 months	·85	·74	·15	2·74	4·61	·22	9·92	31·39	42·39	30·35
7 to 12 months	1·43	1·96	·18	8·46	8·61	...	1·59	10·39	53·73	36·11
Total ...	·78	·93	·14	2·29	4·70	3·90	28·13	15·90	38·13	...

It will be noticed that out of 21,651 children registered as born in 1917, 2,975 died within 30 days of birth, being 144 more than in the preceding year; for a very large majority of these, 2,178 or 73·21, (against 1,984 or 70·8 in 1916) the cause of death given was Debility, that is, want of vitality, immaturity at birth, wilful or ignorant neglect and the methods adopted by the unskilled or untrained women attending labour: 2,692 children, being 117 more than in the preceding year died before attaining the age of 6 months, the cause of death in the descending order of incidence being 42·39 Diseases of the Respiratory System (against 43·14 in 1916); 31·39 Diseases of the Nervous System (Convulsions) against 28·23 in 1916; 9·92 Debility (against 6·09 in 1916) and 4·61 Diarrhœa and Dysentery (against 5·82 in the preceding year). 3,203 of the children, being 394 more than in 1916, died between the age of 7 and 12 months, the cause of death being 53·73 Diseases of the Respiratory System (against 48·02 in 1916), 10·39 Diseases of the Nervous System (against 11·14 in 1916), 8·61 Diarrhœa and Dysentery (against 11·00 in the preceding year).

It will be observed that out of the total mortality under 1 year of age, over 36 per cent. occurred in the age-group of 7-12 months and, further, that of the deaths at this period of life, more than half are due to the Diseases of the Respiratory System. In the first and second age-groups the maximum mortality is due to Debility and the Diseases of the Respiratory System respectively. The next most fatal cause is Diseases of the Nervous System in the second and third groups and Diarrhœa and Dysentery in the third group, all of which signify exposure and defective feeding.

TABLE OF INFANT MORTALITY BY MONTHS IN 1917 AND 1916.

Infant mortality by months.

MONTHS.	1917.						1916.
	Debility.	Nervous Diseases.	Respiratory Diseases.	All Causes.			All Causes.
				Males.	Females.	Total.	
January	193	88	207	319	305	624	623
February	156	115	212	322	290	612	650
March	172	154	311	446	356	802	792
April	133	140	264	392	318	710	807
May	168	114	257	388	337	725	727
June...	132	113	213	304	294	598	610
July	232	136	264	456	438	894	799
August	279	129	251	436	432	868	708
September	290	116	290	456	400	856	597
October	269	100	226	395	330	725	634
November	219	113	181	344	316	660	653
December	253	93	263	376	420	796	615
Total ...	2,496	1,411	2,939	4,634	4,236	8,870	8,215

The foregoing table exhibits the monthly fluctuations of infant mortality during the year under report; three columns have been inserted giving the number of deaths from the three most fatal causes of death among children, as they serve to explain the monthly fluctuations and their extent.

In the year under report, the number of deaths among infants in January exceeded by 1 and in May was less by 2 than the number registered in the corresponding months of 1916 (624 and 727): in February it was (612) less by 38 than that in the corresponding month of 1916. In April it was less by 97 and in June by 12; the aggregate decrease recorded during these four months being 149. In all other months it was higher. The highest infant mortality registered in a month was 894 in July against 807 in April in 1916; the lowest was 598 registered in the month of June; this was almost the same (597) as lowest monthly figure for 1916, recorded in the month of September.

In the next following month the highest figure in the year was reached (894), then the mortality declined during the next two months reaching 856 in September; thereafter a rise and a fall were recorded in each alternate month till the end of the year.

Out of the total increase of 655 deaths in 1917 as compared with 1916, 60 per cent. (or 396 more deaths) were registered under Respiratory Diseases, nearly 51 per cent. (or 331 deaths) were registered under Debility; 14 per cent. (or 94 deaths) under Nervous Diseases (which include infantile convulsions).

INFANT MORTALITY FROM PRINCIPAL CAUSES FROM 1911 TO 1917.

CAUSE OF DEATH.	1911.	1912.	1913.	1914.	1915.	1916.	Average 1912 to 1916.	1917.	Increase or Decrease.
Small-pox	98	274	55	60	64	259	142	70	—72
Measles	233	82	66	82	104	134	94	83	—11
All Fevers	251	277	201	163	226	229	219	217	—2
Diarrhœa and Dysentery ...	581	900	615	579	670	481	649	417	—232
Premature Birth	175	219	181	187	182	357	225	346	+121
Debility	2,364	2,581	2,207	2,187	2,381	2,165	2,304	2,496	+192
Diseases of the Nervous System.	1,400	1,570	1,278	1,271	1,384	1,317	1,364	1,411	+47
Do. Respiratory System	2,364	2,877	2,113	2,425	2,414	2,543	2,474	2,939	+485
All Causes	8,120	9,646	7,488	7,580	6,602	8,215	7,906	8,870	+964

TABLE OF MORTALITY AMONG INFANTS AND DEATH-RATE PER 1,000 OF BIRTHS REGISTERED IN EACH RACE IN 1916 AND 1917.

Infant mortality by race or caste.

	RACE OR CASTE.	1916. Deaths under 1 year.	1916. Number of Births registered.	1916. Infant mortality per 1,000 of Births in each caste.	1917. Deaths under 1 year.	1917. Number of Births registered.	1917. Infant mortality per 1,000 of Births in each caste.
HINDUS.	Jains	395	323	1,222·91	393	286	1,374·13
	Brahmins	347	596	582·21	417	632	659·0
	Lingaits	45	56	803·57	51	73	698·63
	Bhatias	53	130	407·69	48	133	360·90
	Hindus of other Castes ...	3,803	9,961	381·78	4,137	10,241	403·96
	Hindus, Low Caste ...	1,274	3,010	423·25	1,501	3,091	485·60
	Mussalmans (including Negro-Africans).. ...	1,603	3,983	403·21	1,591	3,956	402·17
	Parsees	185	1,428	129·55	204	1,440	141·66
	Jews	47	213	220·65	43	257	167·51
	Indian Christians... ...	385	1,130	340·70	409	1,168	350·17
	Eurasians...	28	147	190·47	24	121	198·34
	Europeans	28	184	152·17	23	198	116·16
	Buddhists	3	8	375·00	2	11	181·81
	Other and unknown Castes	16	11	1,454·54	27	14	1,928·57
	Total ...	8,215	21,180	387·86	8,370	21,651	409·68

The foregoing table gives the death-rate among infants of the several races of the population calculated per 1,000 of births registered in the race or caste; the number of births and of deaths under one year are inserted and the corresponding figures for 1916 added for comparison.

What arrests attention in the table is that among Jains who, by the Census of 1911 number 20,460, 286 children were registered as born in the City during 1917 while the number of deaths among infants who died in the year was 393. This apparent paradox, (another example of which is furnished by "other and unknown castes" who number only 136 and among whom 14 births were registered and 27 deaths among infants) is to be explained principally by the omission or neglect of parents to register the births, and the custom of expectant mothers going out to their homes up-country for delivery and returning to Bombay with the child some months old: possibly a large proportion of the deaths occurring in the earlier months of the year among infants born in the latter part of the previous year has also some effect on these figures.

A reduction in the infantile death-rate was recorded in the year under report among Bhatias (from 407·69 to 360·90), Jews (from 220·65 to 167·31), Europeans (from 152·17 to 116·16) and Buddhists (from 375·00 to 181·81).

Among Hindus of all Castes taken together and Mussalmans who together form the bulk of the City's population, the ratios stand as under:—

	1916.	1917.		Increase or decrease.
Hindus	420·3	451·9	+	31·6
Mussalmans	403·2	402·1	—	1·1

The infantile death-rate among Parsees rose to 141·66 from 129·55 in 1916 and among Eurasians to 198·34 from 190·47.

The infantile death-rate for the whole City calculated on the total number of registered births was 409·68. Calculating for different castes on the number of births registered among them, the highest infantile death-rate was 1374·12 and registered among Jains against 1222·91 in 1916, and the lowest 116·16 among Europeans against 129·55 among Parsees in the preceding year. In the ascending order of incidence, after Europeans stand Parsees (141·66), Jews (167·31), Buddhists (181·81), Eurasians (198·34), Indian Christians (340·17), Bhatias (360·90), Mussalmans including Negro-Africans (402·17), Hindus of other Castes (403·96), Hindus, Low Caste (485·60), Brahmins (629·90), Lingaits (698·63) and Jains (1374·12).

The ratios among principal communities during 1917 and the preceding five years are given in the following table:—

INFANT MORTALITY PER 1,000 OF BIRTHS REGISTERED IN THE CASTE.

Race or Caste.	1912.	1913.	1914.	1915.	1916.	1917.
Hindus: Jains						
Hindus: Brahmins						
Hindus: Lingaits						
Hindus: Bhatias	483·7	408·3	410·4	350·9	420·8	451·93
Hindus: Hindus of other Castes						
Hindus: Hindus, Low Caste						
Mussalmans (including Negro-Africans)	421·6	369·5	391·0	335·6	403·2	402·17
Parsees	206·2	188·1	173·6	153·2	129·5	141·66
Jews	302·2	176·4	159·6	157·8	220·6	167·31
Indian Christians	462·2	419·0	398·1	336·2	340·7	350·17
Europeans	207·9	151·9	207·4	152·5	152·7	116·16
Eurasians	388.2	286·0	244·2	181·8	190·4	198·34

Infant Mortality by Sections.

With a view to measuring the relative incidence of infant mortality in the different Sections of the City, the following table is given, showing the ratio of infantile deaths occurring in each Section to the number of births registered in that particular Section. Apart from the irregular distribution of the female population in the different Wards of the City, such measurement of infant mortality is not altogether reliable owing to the following factors, which inevitably introduce an element of error or uncertainty in the calculations based on the Sectional data. The difficulties in the way of registration of all births occurring in the City, consequent on parental ignorance or neglect, varying with the class of people inhabiting the different Sections; the prevailing custom of sending prospective mothers home to their native districts for confinement, resulting in an excess of infants in the City over births actually occurred and registered in it; the inflation of the infantile death-rate due to out-born infants dying in the City; the inter-sectional movement of the population, making it possible for children born in one Section to die in another; and, lastly, the migratory habits of the higher official and the affluent classes who send out their families to the most congenial or least inconvenient latitudes during certain seasons of the year. All these causes operate in varying degrees in the different Sections of the City and influence the infantile death-rate.

STATEMENT OF THE RATIO OF DEATHS AMONG CHILDREN UNDER 1 YEAR PER 1,000 OF BIRTHS REGISTERED IN EACH SECTION IN 1916 AND 1917.

Ward.	Sections.	1916.	1917.	Ward.	Sections.	1916.	1917.
A	Upper Colaba	203·8	315·2	E	Mazagon	345·4	402·6
	Middle and Lower Colaba.	399·3	353·1		Tarwadi	318·9	328·8
	Fort, Southern	666·6	1111·1		Second Nagpada	425·1	459·3
	Fort, Northern	307·2	323·7		Kamathipura	458·7	493·4
	Esplanade	292·4	347·8		Tardeo	381·8	348·7
B	Mandvi	565·3	623·7		Byculla	517·1	536·2
	Chukla	504·3	479·1		First Nagpada	287·4	323·8
	Umarkhadi	366·2	392·9				
	Dongri	402·1	442·2	F	Parel	411·6	482·7
					Sewri	426·3	483·8
C	Market	645·8	611·6		Sion...	302·5	351·2
	Dhobi Talao	306·7	340·5				
	Fanaswadi	335·5	358·8	G	Mahim	310·1	332·9
	Bhuleshwar	491·6	453·0		Worli	402·7	456·5
	Khara Talao	370·7	437·1				
	Kumbharwada	384·0	375·7		Harbour, Docks, Railways and Homeless	..	...
D	Khetwadi	304·0	314·8				
	Girgaum	377·0	371·9				
	Chowpati	223·0	250·9				
	Walkeshwar	307·0	235·0				
	Mahalakshmi	281·1	284·5		Total ...	387·8	409·6

The rate of infant mortality for the entire City in 1917 based on the number of births actually registered was 409·6 against 387·8 in 1916 and 329·2 in 1915; and the Sections which showed a higher incidence of such mortality during the year under review were:—All the Sections of B Ward except Umarkhadi (392·9), namely, Mandvi (623·7), Chukla (479·1) and Dongri (442·2); (2) Market (611·6), Bhuleshwar (453·0) and Khara Talao (437·1) in C Ward; (3) 2nd Nagpada (459·3), Kamathipura (493·4) and Byculla (536·2) in E Ward; (4) Sewree (483·8) and Parel (482·7) in F Ward; Worli (456·5) in G Ward.

These Sections are among those with which a high rate of mortality is generally associated, being largely inhabited by the poor and ignorant classes living in insanitary houses and amidst similar surroundings—excepting Fort Southern, which is mainly a business locality, Mandvi (where the density of population is 201·6 per acre) registered the highest infantile death-rate (623·7) and Walkeshwar (235·0) the lowest.

Compared with the last year all the Sections of the City exhibit a considerable enhancement in the death-rate among infants, except Middle and Lower Colaba (353·1), Chukla (479·1), Market (611·6), Bhuleshwar (453·0), Kumbharwada (375·7), Girgaum (371·9), Walkeshwar (235·0) and Tardeo (348 7) which show a reduction.

Measures for the reduction of Infant Mortality.

The measures for the reduction of infant mortality comprehensively group themselves under Maternity and Infant Welfare. So far as the Health Department is concerned, definite work in this direction may be said to have commenced with the appointment in 1902 of Municipal Nurses and Midwives for the benefit of the poor. No doubt the sanitary work done in previous years benefited both mother and infant, but attendance on confinements, visitation of houses for homely talks and instruction of mothers in domestic and personal hygiene and in the feeding and rearing of infants commenced in 1903. In 1904 the Bombay Sanitary Association appointed a couple of Health Visitors whose work supplemented that done by the Municipal Nurses. In 1907 a forward step was taken by adding to these duties the work of inquiring into the condition of newly born infants and recording the results. In 1912 the Corporation sanctioned a grant of Rs. 1,000 for providing necessaries of life, such as milk, loaves, blanket, charpoy, etc., to poor women during the lying-in period. The work received a great impetus on the formation by the Bombay Sanitary Association in 1914 of the Lady Willingdon Scheme for securing proper treatment for women during confinement and the care of infants after birth. The Scheme not only appointed a dozen lady Health Visitors to supplement the work done by the Corporation midwives but also established three comfortable Maternity Homes, (two of which have since been taken over and are being maintained by the Municipality) and added an Infant Milk Depôt to each of the Homes.

It has been pointed out that poverty, ignorance, neglect and insanitary surroundings are the principal causes of high infant mortality. Efforts to educate the people in the principles of domestic and personal hygiene and improve their squalid environment are being continued from year to year, but the social and economic factor is one with which the Health Department can hardly hope to grapple alone with much hope of success. Voluntary effort and private agencies need therefore to be encouraged as much as possible. Bombay with its large and growing population and huge proportion of poor (more than 79 per cent.) offers a very wide field for many such agencies which can be linked up closely with its sanitary administration as in the cities of the West. Two of such agencies to whom the Health Department is indebted and whose activities run along closely parallel lines are the Bombay Sanitary Association and the Lady Willingdon Scheme. Their lady Health Visitors are co-operating with the Corporation midwives in daily visiting the houses of the poorer classes and educating them by homely talks; comfortable maternity homes have been provided for poor women by the Municipality and the Lady Willingdon Scheme, and necessaries in the shape of milk, blanket, charpoy, &c., are provided by the Municipality in the case of such as cannot go to the Homes, and pure pasteurised milk is provided by the Lady Willingdon Scheme free or at nominal price for the children born in these Homes or under the supervision of the nurses and midwives employed by these agencies and the Health Department. The results are so far very encouraging but these efforts need to be considerably supplemented and developed if the problem of infant mortality in the City is to be adequately dealt with; for the Census of 1911 showed that over 79 per cent. of the population of the City are very poor and live in one room tenements.

The vastness and complexity of the problem may be gauged from the following figures which may be taken to indicate the mass of young life to be dealt with in this City and the number of mothers, the great majority of whom require care and assistance during pregnancy and the best assistance possible during and after confinement.

No. of women 15 to 45 years by the Census of 1911	208,516
No. of babies actually registered as born alive during 1917 ...	21,651
No. of babies estimated to have been born alive (corrected number of births)	29,158
No. of still-births	1,888
No. of infants who died during 1917	8,870

Infant Mortality by the number of rooms occupied.

It will be observed from the following statement that of the 21,651 live-births registered during the year. 14,536 or 67·13 per cent. occurred in families living in a single room or sharing it with others, and the number of deaths among such was 6,999 or 48 per cent. of the births; this proportion varies inversely as the number of rooms occupied; 43 per cent. in the case of two-room tenements, 27·1 per cent. in the case of three-room tenements, and 26·5 in families occupying four or more rooms. The lowest percentage of the infant mortality (11·76) occurred among children born in Hospitals. The corresponding figures for 1916 are also given in the table :—

NUMBER OF BIRTHS AND INFANT MORTALITY BY THE NUMBER OF ROOMS OCCUPIED IN 1917.

		1 Room and under.	2 Rooms.	3 Rooms.	4 or more Rooms.	Roadside.	Hospitals.	Total.
Births		14,536	2,509	696	681	41	3,188	21,651
Infant Mortality		6,999	1,080	189	181	46	375	8,870
Infant Mortality per 100 births registered.	1917	48·14	43·04	27·15	26·57	112·19	11·76	40·96
	1916	45·44	37·39	23·01	23·82	171·18	9·18	38·78

Work of the Nurses and Health Visitors.

The Municipal Nurses and the Health Visitors of the Sanitary Association and the Lady Willingdon Scheme, who are all qualified midwives, daily visit the localities and the chawls inhabited by the poor and help to diffuse and popularize elementary knowledge of the principles of health and hygiene and carry such knowledge and habit into the homes and lives of the ignorant, giving advice on the prevention of disease and the care and up-bringing of infants, and bring to the notice of the authorities unregistered births and unvaccinated children, and cases of sickness ; they also find out prospective mothers among the poor and induce them to go to the Maternity Homes provided for them free ; and where such recourse is not sought, attend on the women in their own homes providing them with necessaries in the shape of milk, blanket, charpoy, &c. There are at present three Maternity Homes for the poor—one Municipal at Bellasis Road, and two under the Lady Willingdon Scheme of which one is at Parel and the other at Victoria Bunder, Colaba. The second has since 1st May 1918 been taken over by the Municipality.

The visits of Nurses and Health Visitors are frequently the means of bringing to the Municipal Dispensaries the suffering poor who would otherwise either not know of the existence of facilities provided or knowing would through carelessness neglect to benefit by them. These visits are therefore doing much good and are welcomed and appreciated by those for whose benefit they are paid.

During the year under report, the Health Visitors made in all 26,578 visits to houses and chawls and reported 1,139 houses to the Health Department for their insanitary condition, 25 houses for lime-washing and 10 premises for overcrowding, brought 140 patients to the Dispensaries and reported 1,783 children for vaccination.

The Ladies' Committee formed during 1916 and composed of some of the most prominent women in the City have visited the Maternity Homes regularly and supervised the work of the Health Visitors by visiting the different Sections of the City in order to acquaint themselves personally with the conditions of life and surroundings of the poor with a view to their amelioration. Improvement of slum life and in the care and feeding of expectant and nursing mothers and of infants are the chief directions in which their energies are manifested.

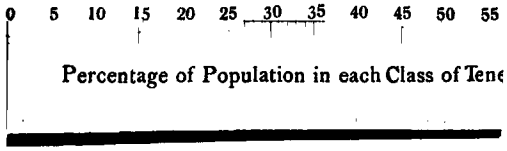
A notable step taken during the year by the Lady Willingdon Scheme in the promotion of the welfare of women and children was the establishment of Infant Milk Depôts—one at each of the three Maternity Homes referred to. Pure pasteurised milk supplied in sealed cans by the Indian Dairy Supply Co., Ltd., at annas four per seer is distributed at each of these Depôts morning and evening—at anna one per seer or entirely free to those too poor to pay this small sum—for the benefit of children born in any of the three Homes or under the supervision of the Municipal Nurses or the Health Visitors working under the Bombay Sanitary Association or the Lady Willingdon Scheme. Feeding bottles have also been provided free and empty bottles are exchanged each time for those with milk. The amount of milk had to be repeatedly increased to meet the growing demand and at present 85 seers of milk is daily distributed at a monthly cost of about Rs. 650.

The Municipal Nurses and Midwives, who are ten in number working under the District Registrars, paid during the year 29,548 visits to houses, chawls and huts (against 32,111 in 1916), enquired into 2,796 cases of ordinary sickness, reported 491 cases of infectious diseases and 1,743 deaths among the female population of the City. They also attended 1,604 confinements (against 1,354 in 1916) and ascertained 11,225 births.

The following table shows the work of the ten Municipal Nurses and Midwives so far as attendance on confinements and infant visitations are concerned. They have to repeat their visits even after the lying-in period to find out, as far as possible, and warn the mothers against the conditions and influences which imperil infant life.

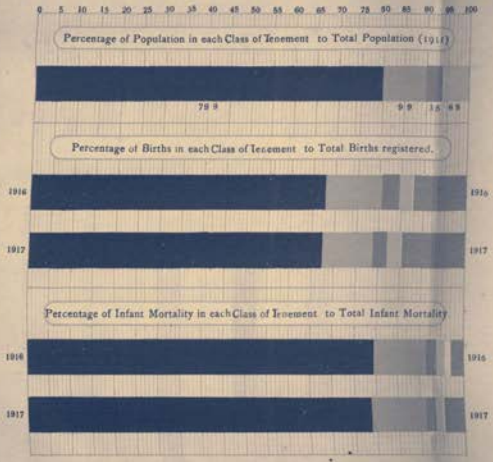
DIAGR

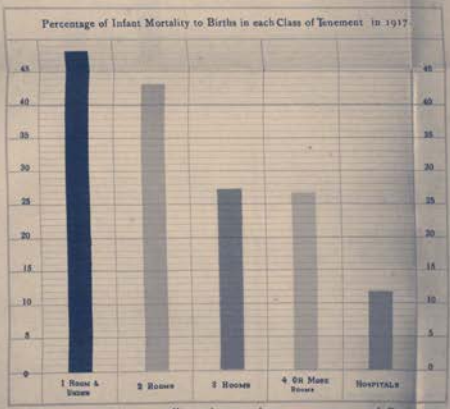
PERCENTAGE OF POP
AND INFANT MI
IN EACH CLASS O
1917.



DIAGRAM

PERCENTAGE OF POPULATION, BIRTHS AND INFANT MORTALITY, IN EACH CLASS OF TENEMENT 1917.


0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
Percentage of Population in each Class of Tenement to Total Population (1917)
78·8
9·9
11·3
Percentage of Births in each Class of Tenement to Total Births registered.
1916
1917
Percentage of Infant Mortality in each Class of Tenement to Total Infant Mortality
1916
1917



N.B.—Blank space between yellow and green colours represents p. c. of Road-side Births and Infant Mortality.

P. C. of Road-side Infant Mortality to Road-side Births in 1917–11·1·19

The following two statements furnish details of these cases by months and as to the Wards from which they came and the communities which they represented.

STATEMENT OF CASES FROM DIFFERENT WARDS ADMITTED AND TREATED IN THE MUNICIPAL MATERNITY HOME DURING 1917.

Wards.	Hindus.	Mussalmans.	Jews.	Indian Christians.	Other Castes.	Total.
A	...	2	...	...	...	2
B	23	1	23	6	...	53
C	12	19	1	2	...	34
D	13	1	...	4	...	18
E	201	27	47	101	3	379
F	1	1	...	7	...	9
G	6	...	4	7	...	17
Total ...	256	51	75	127	3	512

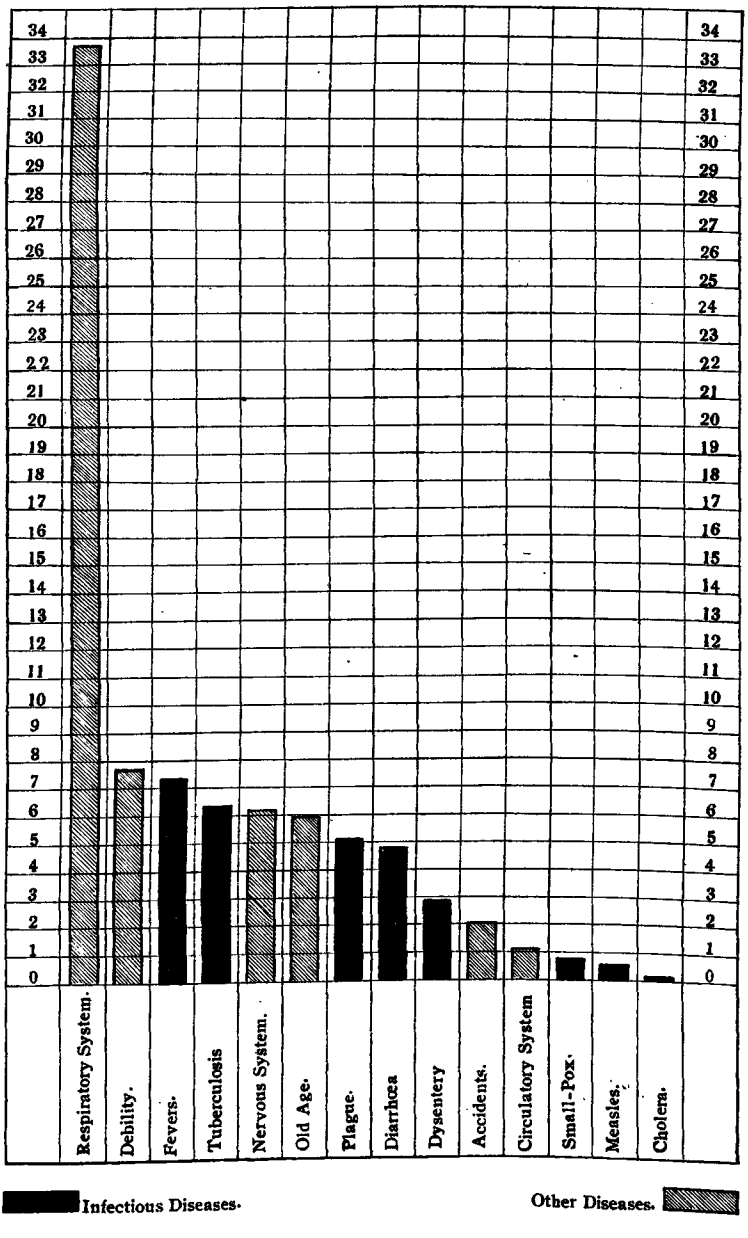
STATEMENT OF CASES ADMITTED AND OF THOSE CONFINED MONTHLY AT THE MUNICIPAL MATERNITY HOME DURING 1917.

Month.	No. of cases admitted.	No. of cases confined.
January	35	32
February	27	23
March	36	33
April	28	26
May	37	35
June	36	33
July	47	44
August	49	43
September	52	46
October	58	55
November	49	45
December	58	52
Total ..	512	467

It will appear that the success which has so far attended our efforts at bringing trained attendance at child-birth within the reach of the poorer classes has been encouraging and it may be hoped that increasing advantage will continue to be taken of the facilities provided.

DIAGRAM

PERCENTAGES OF DEATHS FROM PRINCIPAL CAUSES TO THE TOTAL MORTALITY IN BOMBAY IN 1917.



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Mortality in Hospitals.

The following statement gives the number of deaths in Hospitals from various diseases during 1916 and 1917. The number of such deaths in the year under report was 3,638 against 3,543 in 1916 and their proportion to the total mortality was 10·8 against 11·5 in the preceding year.

Cause of Death.	1916.		1917.	
	Hospital Deaths.	Total Mortality.	Hospital Deaths.	Total Mortality.
Still-born	379	1,687	457	1,888
Small-pox	246	1,021	84	269
Measles	6	344	5	221
Plague	354	1,987	390	1,706
Fevers	203	2,141	195	2,449
Cholera	58	141	28	61
Diarrhœa and Dysentery	310	2,420	331	2,591
Puerperal Septicæmia...	22	229	8	252
Leprosy	74	87	82	84
Premature Birth	144	357	181	346
Other General Diseases	611	5,759	882	7,477
Diseases of the Nervous System	134	1,955	158	2,063
„ „ Circulatory System	91	405	76	369
Phthisis	123	1,395	99	1,448
Diseases of the Respiratory System	488	9,649	533	11,231
„ „ Digestive System	238	1,284	258	1,475
„ „ Urinary System	81	292	91	292
„ „ Generative System	50	167	63	219
Other Local Diseases	62	123	52	118
Injuries	240	762	116	674
Unspecified Causes	8	56	6	45
Total (except Still-born) ...	3,543	30,574	3,638	33,390
Percentage to the Total Mortality ...	11·5	...	10·8	...

Table of Deaths and Death-rates from some of the principal causes of deaths in 1917, compared with those in 1916 and the average of the preceding 10 years.

Mortality from Principal Causes of Death.

Cause of Death.	1916.		1917.		Average of 10 years (1907 to 1916).	
	Number of Deaths registered.	Rate of Mortality per 1,000 of Population.	Number of Deaths registered.	Rate of Mortality per 1,000 of Population.	Number of Deaths registered.	Rate of Mortality per 1,000 of Population.
Small-pox	1,021	1·04	269	·27	585	·59
Measles	344	·35	221	·22	278	·28
Fevers (including Scarlet, Enteric, Malaria, Ague, Remittent and Relapsing).	2,141	2·18	2,449	2·50	2,983	3·04
Cholera	141	·14	61	·06	378	·38
Plague	1,947	2·02	1,706	1·74	3,446	3·52
Phthisis	1,680	1·71	1,875	1·91	2,065	2·10
Diseases of the Nervous System ...	1,955	1·99	2,063	2·10	1,972	2·01
„ „ Respiratory System.	9,649	9·85	11,231	11·46	8,624	8·81
Diarrhœa	1,624	1·65	1,610	1·64	2,091	2·13
Dysentery	796	·81	961	·98	1,020	1·04
Accidents	762	·77	674	·68	703	·71
All other Causes (except Still-born).	8,474	8·65	10,270	10·48	9,714	5·92
Total ...	30,574	31·21	33,390	34·09	33,859	34·59

In considering the incidence of the principal causes of death in relation to the total mortality of the City, the diseases of the Respiratory System will, as usual, appear to have levied the heaviest toll, namely, 11,231 deaths, being 33·6 per cent. of the total mortality, or 1,582 more than last year; next, Fevers which caused 2,449 deaths or 308 more than in 1916 and 7·3 per cent. of the total. The incidence of Plague was lower than that of either of the foregoing causes and than in any previous year except 1915 (509), namely, 1,706 deaths, being 5·1 per cent. of the total mortality. Compared with the preceding year, the mortality from this cause was less by 241. Small-pox was prevalent throughout the year but in a sporadic form and caused 752 fewer deaths than in 1916. Measles recorded 221 deaths against 344 in the preceding year. Phthisis occasioned 1,875 deaths or 195 more than in 1916.

Compared with the averages of the preceding ten years, an appreciable reduction in mortality will be noticed under every cause of death—the most notable being under Plague, the death-rate from which stood at 1·74 against the decennial mean rate of 3·52; Fevers 2·50 against 3·04; Phthisis 1·91 against 2·10; Diarrhœa 1·64 against 2·13; Dysentery ·98 against 1·04; while the total death-rate was 34·09 against 34·59 being equal to a reduction of 469 deaths.

Mortality from Zymotic Diseases.

The mortality from Zymotic Diseases in 1917 shows a reduction of 714 compared with the preceding year.

Large decreases were registered under most of them, the only increases of note being of 280 under Ague and Remittent Fever and of 185 under Dysentery. The death-rate from principal Zymotic Diseases, which fell during 1905-1910 from 27·39 to 9·89 and in 1913 to 7·47, declined to 6·08 during the year under report from 6·81 in the preceding year. The mean rate for the preceding three years (1914-1916) was 6·26 and that for the preceding ten years (1907-1916) 9·22.

Compared with the triennial averages, reduced mortality is noticeable under Small-pox (—275), Plague (—126) and Cholera (—65).

Compared with the decennial averages, the decreases are large under every important head, the resultant reduction in the mortality from Zymotic Diseases being 3,069.

TABLE OF MORTALITY FROM ZYMOTIC DISEASES.

Cause of Death.	Number of Deaths registered from Zymotic Diseases.			
	1916.	1917.	Average of the last three years (1914-1916).	Average of the last ten years (1907-1916).
Small-pox	1,021	269	544	585
Measles	344	221	225	278
Plague	1,987	1,706	1,832	3,446
Scarlet Fever	.....	.....	...	...
Enteric Fever	168	170	141	135
Malarial Fever	238	262	219	268
Ague and Remittent Fever	1,732	2,012	2,007	2,498
Relapsing Fever	3	5	1	81
Influenza	6	5	3	2
Whooping Cough	7	14	9	11
Diphtheria	5	5	4	3
Cholera	141	61	126	378
Dysentery	796	981	775	1,020
Puerperal Septicæmia	229	252	246	327
Total ...	6,677	5,963	6,132	9,032
Death-rate per 1,000 of population ...	6·81	6·08	6·26	9·22

DIAGRAM

NUMBER OF DEATHS FROM ZYMOTIC AND OTHER DEATH-CAUSES IN 1917, COMPARED WITH THEIR AVERAGES OF THE PRECEDING. 10 YEARS.

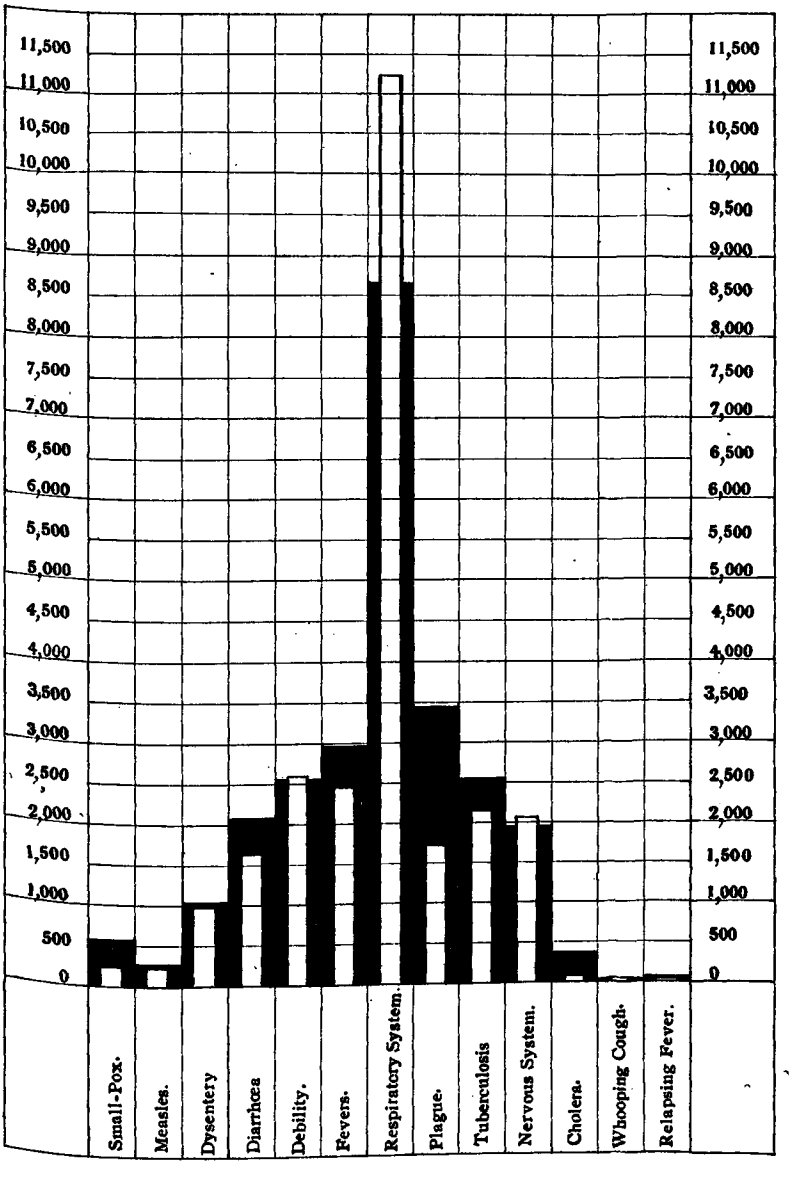

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TABLE SHOWING BY CASTE THE NUMBER OF DEATHS AND THE DEATH-RATES FROM ALL CAUSES IN 1916 AND 1917 AND THE AVERAGE OF THE PRECEDING 10 YEARS (1907-1916).

Mortality by Races.

	Race or Caste.	1916.		1917.		Average of last ten years (1907-1916)	
		Number of Deaths.	Rate of Mortality per 1,000 of Population.	Number of Deaths.	Rate of Mortality per 1,000 of Population.	Number of Deaths.	Rate of Mortality per 1,000 of Population.
Hindus.	Jains	1,271	62·12	1,419	69·35	...	...
	Brahmins	1,207	22·49	1,373	25·58	...	...
	Lingaits	172	145·88	196	161·24	...	...
	Bhatias	212	27·24	234	30·07	...	...
	Hindus of other Castes	14,586	26·65	16,322	29·82	...	...
	Hindus, Low Caste	3,538	65·14	4,048	74·63	...	...
Hindus, all Castes		20,981	30·65	23,592	34·46	22,884	32·94
Mussalmans, (including Negro-Africans)		6,621	36·91	6,871	38·31	7,879	45·00
Parsees		979	19·22	1,009	19·81	1,196	23·87
Jews		185	28·04	159	24·10	185	30·30
Indian Christians		1,242	30·09	1,314	31·83	1,377	37·36
Eurasians		122	29·13	108	25·78	116	28·45
Europeans		403	33·88	260	21·85	241	18·70
Buddhists		21	36·33	43	74·39	11	23·91
Other and unknown castes		20	147·05	34	250·00	20	238·09
	Total	30,574	31·21	33,390	34·09	33,359	34·59

In considering the mortality of the year in relation to the different races that inhabited the City, it will be noticed that, compared with 1916, except Jews (24·10), Eurasians (25·78) and Europeans (21·85), all the communities registered an increase in the death-rate. The general death-rate for the entire City was 34·09 as compared with 31·21 in 1916.

Hindus as a whole registered the death-rate of 34·46 against 30·65 in 1916 and the decennial mean of 32·94.

Mussalmans (including Negro-Africans) recorded the death-rate of 38·31 against 36·91 in 1916.

Parsees registered the lowest death-rate.

Europeans returned the next lower rate, 21·85 (against 33·88 in 1916); Jews recorded the death-rate of 24·10 against 28·04 in 1916.

Then follow Eurasians among whom the rate of mortality was 25·78 against 29·13 in 1916.

Indian Christians recorded the rate of 31·83 against 30·09 in 1916.

Compared with the mean death-rate for the preceding decennium (1907-1916), the death-rate during the year under report shows a decrease of ·50.

Comparative incidence of Principal Diseases in different Communities.

Considering the comparative incidence of principal diseases in the different communities, it will be noticed that the incidence of (1) Small-pox was highest among Indian Christians (·77), and next among Europeans (·50); the great susceptibility of the former to Small-pox is due to their not being vaccinated in infancy with the result that they are generally the worst sufferers in every out-break of the disease, (2) the ratio of mortality from Measles was highest among Jews (·30); (3) Plague caused the largest proportion of deaths among Hindus all castes (1·96), next among Indian Christians (1·67); (4) the death-rate from Fevers was highest among Eurasians (3·58); (5) from Enteric Fever among Eurasians (1·67) and next among Europeans (1·17); (6) Dysentery as a cause of death figures most among Europeans, (1·84) and then, among Eurasians (1·43); (7) Phthisis was most fatal to Mussalmans (3·12); so also (8) Respiratory Diseases (12·11) if Hindus all castes (12·40) be excepted. This heavy mortality is to be accounted for by the fact that Mahomedan localities in the City are among the most congested areas and that social customs deny in effect the benefits of open air to their females.

Mortality by Months

A statement indicating the monthly variations in the mortality from all causes is subjoined. It will be observed that as compared with 1916, the mortality in January was higher by 118; but during the next three months was lower, so that a total decrease of 913 deaths was recorded at the end of April.

During every succeeding month the mortality was higher so that at the close of the year under report it exceeded that for the previous year by 2,816.

TABLE OF DEATHS (EXCLUSIVE OF STILL-BIRTHS) FROM ALL CAUSES BY MONTHS IN 1916 AND 1917.

MONTHS.	Number of Deaths in 1916.	Number of Deaths in 1917.
January	2,432	2,550
February	2,674	2,438
March	3,631	3,283
April	3,526	3,079
May	2,822	3,021
June	2,110	2,476
July	2,325	2,843
August	2,311	2,869
September	2,132	2,853
October	2,143	2,624
November	2,125	2,507
December	2,343	2,847
TOTAL	30,574	33,390

The excess of 118 deaths in January is explained by the mortality registered from Ague and Remittent Fever (142), Diarrhœal Diseases (156), Debility (201), while the mortality from Respiratory Diseases was 950. It may be mentioned that Puerperal Septicæmia also caused the largest number of deaths (27) in this month. February witnessed the lowest monthly mortality in the year (2,438) and March the highest mortality (3,283) as compared with 1916.

Mortality by Sections.

The general death-rate for the whole City is 34·09 against 31·21 in 1916.

The only Sections which exhibit improvement in the death-rate compared with 1916 are Upper Colaba 80·28 (against 86·06 in 1916), Fort Southern 67·59 (against 85·78 in 1916), Fort Northern 26·88 (against 32·91), Esplanade 37·38 (against 38·90), and Chukla 32·93 against (34·66).

The following Sections recorded rates higher than the general death-rate :—

Upper Colaba (80·28), Fort Southern (67·59), Esplanade (37·38), Umarkhadi (42·05), Khara Talao (39·99), Kumbharwada (36·13), Mazagon (37·04), Tarwadi (50·06), Second Nagpada (42·41), Kamathipura (42·41), Byculla (41·20), Sewri (36·86), Sion (40·35), Mahim (41·61).

All the Sections of D Ward registered death-rates much below the general death-rate of the City.

It is necessary to mention here that the high death-rates of certain Sections are only apparently so ; (1) Upper Colaba (80·28) reveals a large decrease in population as enumerated in 1911 (from 3,775 in 1906 to 1,557), owing chiefly to the exclusion of the Military included in previous enumerations (1901 and 1906); Esplanade (37·38), Tarwadi (50·06) and Byculla (41·20). These Sections contain Hospitals and should exhibit a much lower rate, but for the fact that, for want of residential addresses of several patients dying in the institutions, the deaths have to be referred to the Sections containing the Hospitals instead of to those from whence they come. Fort Southern contains the Lady Hardinge War Hospital ; Esplanade contains the St. George's, Cama and Allbless, Gocouldas Tejpal, Parsi Lying-in and the Victoria War Hospitals; also the Gerard Freeman-Thomas and the Marine Lines War Hospitals. Sir Jamsetjee Jeejeebhoy, Bai Motlabai and Sir D. M. Petit and Maratha Hospitals are in Tarwadi ; and St. Joseph Foundling Home and the Arthur Road Infectious Diseases Hospital and Adams Wylie Memorial Hospital are in Byculla, Labour Corps War Hospital in Sion and Enteric Fever Depôt in Parel. The lowest death-rate was returned for Dongri (24·55). This diminution may be attributed in a measure to the improvements which have been recently carried out, by the City Improvement Trust, in that area.

Compared with the averages of the preceding quinquennium (1912-1916), the following Sections exhibit an improvement in the death-rate :—

	Death-rate in 1917.	Mean death-rate (1912-16.)
Fort, Northern	26·88	33·46
Mandvi	31·41	33·91
Chukla	32·93	36·31
Umarkhadi	42·05	43·17
Dongri	24·55	32·18
Tarwadi	50·06	51·43
Tardeo	33·72	34·72
1st Nagpada	27·90	29·77

If we turn to table 3 appended to this report, we shall find an explanation of the relative incidence of diseases in the different Sections of the City.

TABLE SHOWING THE DEATH-RATE FROM ALL CAUSES IN 1916 AND 1917 AND THE MEAN OF THE PRECEDING FIVE YEARS (1912-1916).

Ward.	Sections.	1916	1917.	Mean death-rate (1912-1916).
A	Upper Colaba	86·06	80·28	55·23
	Middle and Lower Colaba	23·47	27·54	26·57
	Fort, Southern	85·78	67·59	34·08
	Fort, Northern	32·91	26·88	33·46
	Esplanade	38·90	37·38	34·34
B	Mandvi	39·75	31·41	33·91
	Chukla	34·66	32·93	36·31
	Umarkhadi	37·61	42·05	43·17
	Dongri	21·61	24·55	32·18
C	Market	24·95	25·95	23·69
	Dhobi Talao	27·91	30·29	29·80
	Fanaswadi	27·51	30·98	26·60
	Bhuleshwar	31·43	31·73	31·67
	Khara Talao	34·59	39·99	39·07
	Kumbharwada	32·70	36·13	34·11
D	Khetwadi	28·68	29·62	28·18
	Girgaum	29·98	32·39	29·07
	Chowpati	23·86	28·86	24·65
	Walkeshwar	25·65	30·35	22·46
	Mahalakshmi	27·94	28·74	27·45
E	Mazagon	33·38	37·04	35·61
	Tarwadi	46·18	50·06	51·43
	Second Nagpada	39·17	42·31	42·71
	Kamathipura	38·72	42·41	41·11
	Tardeo	32·02	33·72	34·72
	Byculla	37·86	41·20	37·99
	First Nagpada	27·75	27·90	29·77
F	Parel	33·44	34·65	29·84
	Sewri	26·69	36·66	30·11
	Sion	31·29	40·35	31·02
G	Mahim	32·56	41·61	33·15
	Worli	31·69	34·18	29·66
	Harbour, Docks, Railways and Homeless	3·42	2·91	2·84
	Total ...	31·21	34·09	32·03

Of the total number of 33,390 deaths in the entire population during the year, 38·58 per cent. or 12,883 deaths occurred among persons born in Bombay, 57·24 or 19,115 among those born outside it; and 4·16 or 1,392 deaths were of persons whose place of birth could not be ascertained. Mortality by Place of Birth.

Plague appeared in the City in the latter half of 1896 ; the year under review is thus the 22nd year of its continuous presence with us. During the period the mortality from the disease rose to the appalling figure of 20,788 in 1903 and dropped down to 1,717 in 1912. Starting from 1897, it will be observed that Plague mortality has been marked by a persistent ebb and rise during alternate years until 1906 is reached ; with the exception however of 1900, when the fall warranted by the course of the mortality in previous years did not occur. Plague.

The year 1906 ushered in a quinquennium of uninterrupted decline until 3,656 was touched in 1910; this was the lowest figure in the history of the disease until we come to 1915 when the mortality from Plague fell to 599.

Between these years, the mortality from the disease rose to 4,006 in 1911 and then witnessed a sharp decline to 1,717 in 1912; during the next two years there was again a rise to be followed by the sudden decline referred to.

The year under review registered 1,706 deaths from the disease (nearly the same as in 1912, namely 1,717) and exhibit a decrease of 281 deaths below the figure for 1916 (1,987).

The number of Plague attacks during the year was 1,987 against 2,321 in 1916 and 694 in 1915. The case mortality works out to 85·85 per cent. against 85·60 per cent. in 1916.

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM PLAGUE SINCE 1896 AND THE TOTAL MORTALITY, EXCLUDING STILL-BORN, SINCE 1891.

Years.	Number of Plague Attacks.	Number of Plague Deaths.	Death-rate from Plague per 1,000 of Population.	Percentage of Deaths to Attacks.	Number of Deaths from all Causes (exclusive of Still-born).	Total Death-rate per 1,000 of Population.
1891	...	...	...	...	23,847	29·01
1892	...	...	...	...	26,518	32·26
1893	...	...	...	...	23,142	28·16
1894	...	...	...	...	27,330	33·25
1895	...	...	...	...	25,081	30·52
1896	...	...	...	...	33,451	40·71
1897	2,544	1,936	2·36	76·10	47,896	58·28
1898	13,314	11,003	13·39	82·64	51,961	63·23
	22,130	18,185	22·12	82·17		
1899	19,451	15,796	19·22	81·20	56,434	68·07
1900	17,913	13,285	16·16	74·16	79,350	96·55
1901	21,006	18,736	24·14	89·19	59,495	76·66
1902	16,423	13,820	17·80	84·15	48,414	62·38
1903	23,344	20,788	26·78	89·05	50,513	65·09
1904	15,488	13,538	17·44	87·40	42,676	54·99
1905	16,308	14,198	18·29	87·06	47,762	61·54
1906	12,323	10,823	11·06	87·82	52,874	54·07
1907	7,353	6,389	6·53	86·88	38,687	39·56
1908	6,134	5,361	5·48	87·39	38,271	39·13
1909	5,864	5,197	5·31	88·62	34,878	35·66
1910	4,130	3,656	3·73	88·52	34,933	35·72
1911	4,503	4,006	4·09	88·96	34,961	35·69
1912	1,936	1,717	1·75	88·68	38,954	39·77
1913	3,023	2,609	2·66	86·30	31,806	32·47
1914	3,348	2,941	3·00	87·84	31,853	32·52
1915	694	599	·61	86·31	23,681	24·17
1916	2,321	1,987	2·02	85·60	30,574	31·21
1917	1,987	1,706	1·74	85·85	33,390	34·09

Plague by Months.

The monthly variations of Plague mortality are indicated in the following statement, from which it will be observed that it was less during the four months from February to May than in the corresponding months of 1916, recording a total decrease of 581 deaths during the period; each of the last seven months of the year, as well as the first, however, registered a larger number of deaths, the total increase being equal to 303 deaths. Thus the result was a decrease of 281 deaths at the end of the year.

The mortality from the disease rose steadily from 47 in January to the maximum of 359 in April against 657 in 1916, then steadily declined during the succeeding months to 43 in December.

Plague was epidemic from the week ending 10th March 1917 *till* that ending 9th June. It was at its height during the week ending 28th April which recorded 96 deaths.

Plague was worst in April, as usual, and recorded 417 seizures and 359 deaths against 761 seizures and 657 deaths in 1916. The lowest number of seizures registered in a month was 51 in December. The monthly minimum in 1916 was 38 attacks and 34 deaths.

The highest number of seizures recorded on a single day was 21 on the 19th April (against 38 on 7th, 9th, and 14th April in 1916) and the highest number of deaths from the disease was 21 recorded on the 21st of April (against 35 on the 7th and 12th of April 1916).

TABLE SHOWING THE DAILY NUMBER OF ATTACKS AND DEATHS FROM PLAGUE AND THE TOTAL MORTALITY EXCLUDING STILL-BORN IN 1917.

Date.	January.			February.			March.			April.			May.			June.			July.			August.			September.			October.			November.			December.		
	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.
1	1	1	79	2	2	75	8	7	106	10	7	107	12	11	88	7	6	91	3	4	74	5	3	96	4	4	101	1	1	72	1	1	84	2	1	87
2	..	..	78	1	2	97	4	8	109	15	13	113	16	12	99	7	9	90	3	2	91	7	1	94	2	1	87	1	..	74	2	2	82	2	1	81
3	2	1	93	1	1	74	10	8	103	17	12	127	10	11	87	8	6	86	7	5	83	5	3	92	2	2	88	4	2	104	1	2	90	..	..	60
4	1	2	98	3	3	73	5	6	97	19	12	104	12	10	86	4	7	103	11	7	94	14	7	104	3	1	88	1	1	83	3	2	84	2	1	91
5	3	2	93	1	1	82	6	4	102	10	13	99	10	9	96	2	3	74	4	1	78	2	5	82	2	1	91	2	2	72	1	1	79	2	3	73
6	..	..	82	3	2	84	9	6	102	11	10	101	16	12	102	8	4	99	5	5	82	7	9	110	2	..	111	1	1	75	..	1	90	..	..	96
7	1	2	84	4	2	85	13	17	112	10	14	101	3	5	90	5	5	94	3	1	76	6	6	100	2	3	91	..	..	77	3	2	90	..	1	108
8	1	1	71	2	4	84	11	8	114	7	6	88	16	6	102	8	4	71	6	10	106	3	4	89	3	4	96	2	..	72	1	..	75	3	2	94
9	1	1	83	4	2	73	4	5	115	13	15	112	17	14	86	3	4	81	3	3	84	3	3	93	4	3	100	3	3	83	..	..	74	1	1	76
10	1	1	88	3	1	83	6	3	104	11	6	103	11	11	121	4	4	72	7	7	86	3	6	97	5	5	100	3	2	81	3	1	88	..	..	77
11	..	..	79	4	3	92	4	3	102	10	4	94	10	11	105	2	3	84	5	2	86	2	3	103	7	6	107	1	1	95	3	5	85	2	1	95
12	1	1	90	6	3	85	10	14	107	17	11	77	12	6	86	6	2	70	1	3	97	2	2	88	3	1	94	2	..	100	4	4	82	..	..	96
13	3	2	83	1	1	71	7	4	119	15	13	101	10	13	111	..	1	80	7	5	99	3	4	89	6	4	85	3	4	97	3	2	86	3	1	89
14	1	1	100	5	2	82	12	10	105	7	9	1.0	8	10	114	7	6	89	6	5	79	2	1	110	2	4	114	4	5	80	..	..	70	4	1	70
15	3	2	78	2	3	89	5	4	112	19	20	108	14	9	95	5	3	81	6	6	96	3	1	87	3	1	101	2	2	86	4	2	73	1	3	82
16	2	..	84	3	1	111	13	10	100	6	5	85	10	8	93	3	2	76	7	8	95	7	4	89	1	2	103	2	2	93	2	2	89	1	1	84
17	1	..	93	5	4	102	8	9	92	18	12	106	12	13	86	4	1	75	4	5	98	2	4	109	1	2	92	8	2	95	4	3	97	2	4	87
18	3	3	82	5	4	74	8	10	103	8	8	103	10	12	78	3	3	74	9	3	99	7	1	55	3	2	107	1	3	91	1	..	93	..	..	101
19	2	2	83	2	4	81	11	6	104	21	17	93	17	9	106	6	6	94	10	6	95	2	5	109	6	2	87	5	2	105	3	..	92	1	1	88
20	5	5	83	2	3	96	17	11	93	14	12	106	14	11	109	6	4	75	11	11	108	4	4	94	5	5	109	1	1	79	1	3	99	..	..	94
21	5	3	72	4	5	94	11	10	114	19	21	123	13	12	89	9	6	86	5	6	98	2	2	89	4	4	104	7	3	72	2	3	90	2	..	103
22	..	2	85	9	8	88	8	11	106	16	14	114	10	11	91	8	7	88	4	1	88	5	5	81	6	4	91	1	3	77	5	4	84	3	1	95
23	4	2	79	12	5	92	18	14	112	14	15	113	14	10	97	9	7	79	7	6	110	4	3	94	1	2	80	4	4	91	2	..	92	3	1	88
24	3	3	78	11	4	78	13	7	96	20	13	99	13	9	113	5	6	87	2	2	81	7	5	84	..	..	87	3	6	86	5	4	84	4	6	101
25	2	3	78	6	7	99	8	6	99	17	13	84	12	9	120	7	4	77	4	5	103	12	7	90	2	1	91	2	1	81	..	2	82	1	4	105
26	1	..	73	2	3	93	8	8	99	13	13	106	7	11	83	4	6	62	5	4	102	2	4	102	3	2	88	4	4	80	..	..	78	3	2	91
27	2	2	72	4	5	105	16	8	97	13	16	115	9	7	95	5	10	86	6	3	82	..	2	84	2	3	104	4	3	87	1	..	73	2	1	100
28	1	2	83	9	7	96	16	18	117	17	14	103	7	9	104	6	4	82	3	3	99	2	1	93	..	..	82	6	4	71	3	..	75	..	..	97
29	1	..	68	..	..	..	11	10	115	14	10	97	10	7	91	3	4	82	4	2	104	2	..	79	2	1	91	1	1	67	3	2	91	2	2	86
30	1	1	68	..	..	..	9	12	104	12	12	93	10	7	101	4	4	88	4	2	95	3	3	103	1	2	85	5	4	95	1	2	66	4	2	94
31	1	2	88	..	..	..	14	15	133	..	..	..	14	10	97	..	..	..	7	4	95	1	1	67	..	..	..	2	3	103	..	..	..	1	2	145
Total ..	53	47	2,550	116	97	2,438	302	269	3,283	417	359	3,079	359	306	3,021	157	141	2,476	169	137	2,843	134	114	2,869	86	72	2,853	81	71	2,624	62	50	2,507	51	43	2,847

Total in 1917.

Attacks.	Deaths.	Total Mortality.
1,987	1,706	33,290

STATEMENT SHOWING PLAGUE DEATHS BY MONTHS DURING 1917.

MONTHS.	Plague Deaths in		Plague Attacks in	
	1916.	1917.	1916.	1917.
January	44	47	60	53
February	138	97	159	116
March	474	269	548	302
April	657	359	761	417
May	346	306	388	359
June	88	141	108	157
July	69	137	79	169
August	34	114	42	134
September	34	72	45	86
October	39	71	51	81
November	30	50	42	62
December	34	43	38	51
Total ...	1,987	1,703	2,321	1,987

Plague by Races.

Of the 1,706 deaths from Plague during the year under report, 1,344 occurred among Hindus of all classes against 1,615 in 1916, while 244 against 247 in the preceding year, were registered amongst Mussalmans including Negro-Africans. Indian Christians contributed 69 and Parsees 41 against 70 and 43, respectively, in 1916. The small balance of 8 sums up the deaths amongst Jews (5) and Europeans (3), against 5 and 6 respectively in the preceding year. Eurasians and Buddhists registered no death from the disease.

As in previous years, Plague was most fatal to Hindus, who returned the death-rate of 1·96; next, to Native Christians with the ratio of 1·67; then to Mussalmans (1·36), Parsees (·80) and Jews (·75). The lowest death-rate was returned by Europeans (·25) as in previous years.

Plague by Sex and Age.

The sex distribution of Plague mortality in the year was 1,229 males and 477 females; the ratio per 1,000 of sex population being males 1·91 and females 1·40 against 2·24 and 1·62 in 1916.

The proportion of male deaths to female was 2·6 to 1 in the entire population; among Hindus of all Castes 2·7 to 1; 3 to 1 among Mussalmans (including Negro-Africans), 1·7 to 1 among Parsees, 1·5 to 1 among Jews; but it was ·5 to 1 among Europeans and ·9 to 1 among Indian Christians. The disease was most fatal to persons between 10 to 30 years of age, as 1,131or more than 66 per cent. of the deaths occurred among them; 847 of these being among males and 284 among females.

Among infants or children under 1 year of age, there was no death from the disease. In the age-group of 1 to 10 years there were 88 deaths among males and 83 among females, while in the population aged 50 years and more 36 males and 20 females died from Plague.

Plague by Sections.

The general death-rate from Plague for the whole City was 1·74 in the year under review, being lower by ·28 than in 1916 (2·02). Among Sections with a higher incidence of the disease may be mentioned in A Ward, Middle and Lower Colaba (6·25), Upper Colaba (5·78), Fort Southern (4·04) and Fort Northern (2·44); in B Ward, Mandvi (2·86), Chukla

(1·77) and Umarkhadi (1·90), in C Ward, Market (1·82); in D Ward, Walkeshwar (4·32); in E Ward, Tarwadi (2·21), Kamathipura (2·42) and Tardeo (2·26); in F Ward, Sewri (1·94) and Sion (1·95) and in G Ward, Mahim (3·93).

All the other Sections registered a lower rate. The lowest rate (·77) was returned by First Nagpada in E Ward, whereas the highest was recorded by Middle and Lower Colaba (6·25) and Upper Colaba (5·78) in A Ward.

Compared with the mean rate of the preceding quinquennium (1912-1916), the death-rate from Plague was less by ·27 in the year under report.

The following Sections recorded a slightly higher rate than the quinquennial mean :—

All the Sections of A Ward; Chukla in B Ward; all the Sections of D Ward excluding Mahalakshmi; in E Ward, Kamathipura and Tardeo and Mahim in G Ward.

TABLE SHOWING THE DEATH-RATE FROM PLAGUE IN SEVERAL SECTIONS IN 1916 AND 1917 WITH THEIR QUINQUENNIAL AVERAGES (1912-1916).

Ward	Sections.	1916.	1917.	Quinquennial average (1912-1916).
A	Upper Colaba	1·92	5·78	1·28
	Middle and Lower Colaba	4·37	6·25	4·67
	Fort, Southern	1·73	4·04	1·44
	Fort, Northern	2·55	2·44	2·28
	Esplanade	1·23	1·35	·95
B	Mandvi	3·25	2·86	2·98
	Chukla	1·31	1·77	1·52
	Umarkhadi	1·81	1·90	2·34
	Dongri	1·17	1·43	2·09
C	Market	2·02	1·83	1·98
	Dhobi Talao	1·05	1·11	1·73
	Panaswadi	1·71	1·16	1·86
	Bhuleshwar	2·52	1·53	2·00
	Khara Talao	1·34	1·52	1·87
	Kumbharwada	1·76	1·01	2·12
D	Khetwadi	1·62	1·47	1·12
	Girgaum	1·49	1·46	1·13
	Chowpati	·87	1·22	·78
	Walkeshwar	2·16	4·32	1·22
	Mahalakshmi	2·47	1·71	2·62
E	Mazagon	2·32	1·52	2·72
	Tarwadi	2·14	2·21	2·33
	Second Nagpada	1·19	·73	1·10
	Kamathipura	2·44	2·42	1·63
	Tardeo	1·22	2·26	1·44
	Byculla	2·29	1·49	1·99
	First Nagpada	·93	·77	·93
F	Parel	2·88	1·40	2·35
	Sewri	1·57	1·94	2·62
	Sion	3·12	1·95	2·24
G	Mahim	1·50	3·93	2·82
	Worli	2·81	1·21	2·54
	Harbour, Docks, Railways and Homeless	·13	·06	·06
	Total	2·02	1·74	2·01

Plague Measures.

The usual preventive and precautionary measures against Plague were continued during the year under report; Inoculation, Rat Destruction, Evacuation and Disinfection.

(*i*) Inoculation :—

The number of inoculations performed during 1917 was 4,070 against 4,931 in 1916 and 5,910 in 1915. Of these 693 inoculations were performed by the District Registrars against 772 in 1916.

STATEMENT SHOWING THE NUMBER OF PERSONS INOCULATED DURING THE YEAR 1917.

District No.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
District No. 1 ...	...	...	...	55	113	...	...	...	...	...	3	7	178
" " 2 ...	1	...	1	7	19	2	...	...	...	...	...	1	31
" " 3 ...	...	4	...	...	...	...	...	...	...	...	2	1	7
" " 4 ...	2	...	...	...	...	...	...	...	...	...	...	...	2
" " 5 ...	...	...	...	...	...	...	...	...	...	...	...	...	...
" " 6 ...	...	...	...	38	2	...	...	1	...	54	1	...	96
" " 7 ...	4	...	1	9	1	...	...	...	37	...	19	2	73
" " 8 ...	...	...	...	...	...	10	...	...	2	...	...	...	12
" " 9 ...	...	...	...	267	...	...	...	...	...	...	...	...	267
" " 10 ...	...	...	27	...	...	...	...	...	...	...	...	...	27
Bombay Bacteriological Laboratory.	48	72	295	137	37	6	16	27	17	62	94	75	936
H. M.'s Common Prison	304	247	161	161	243	243	176	197	3	282	262	163	2,441
Total ...	359	323	485	673	465	261	192	225	59	398	381	249	4,070

(*ii*) Rat Destruction :—

Rat raids gave slightly improved results compared with those in 1916; as 9,95,739 were collected and destroyed during 1917, compared with 9,43,346 in 1916 and 7,93,705 in 1915, being an increase of 52,403 over 1916 and 2,02,034 over 1915.

From the following statement it will be seen that of the 9,95,739 rats collected and sent to the Parel Laboratory, 5,01,632 were examined and 11,176 were found infected: the percentage of infected rats to the number examined being 2·22 as compared with 2·54 in 1916 and 1·57 in 1915.

STATEMENT SHOWING THE TOTAL NUMBER OF RATS SENT TO THE PAREL LABORATORY, THE NUMBER EXAMINED AND THE NUMBER FOUND INFECTED IN 1917.

Months.	Number of rats sent to the Parel Laboratory.	Number of rats examined.	Number of rats found infected.	Percentage of rats infected to rats examined.
January	103,081	57,756	710	1·22
February	79,754	42,547	1,102	2·59
March	89,114	46,384	1,777	3·83
April	87,012	43,924	2,242	5·1
May	76,254	43,492	1,838	4·22
June	66,019	34,089	711	2·08
July	74,633	37,411	670	1·79
August	80,564	37,330	464	1·24
September	79,970	35,628	363	1·01
October	75,737	36,727	404	1·1
November	91,310	44,684	474	1·06
December	92,291	41,660	421	1·01
Total ...	9,95,739	5,01,632	11,176	2·22

The percentage of infected rats rose steadily from 1·22 in January to 5·1 in April and then declined gradually to 1·01 in December.

Rat Plague and Human Plague.

In the attached Diagram the relation between Rat Plague and Human Plague is illustrated; the rise in Human Plague will be seen to have followed on the rise of infection among rats; the fall in the percentage of infected rats will be found to have been followed by a corresponding fall in the incidence of Plague.

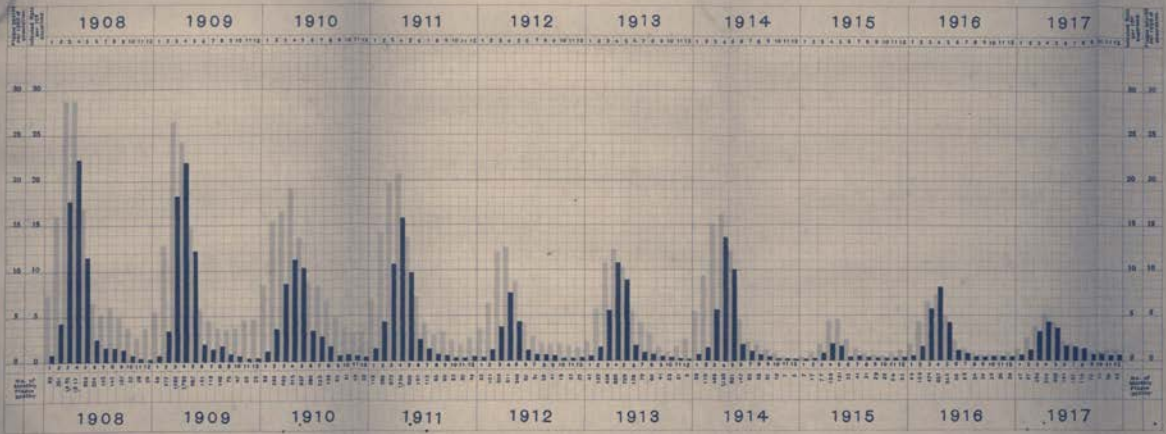
(*iii*) Evacuation :—

To induce evacuation of congested and infected areas, Municipal Health Camps, as in previous years, were put up at Agripada, Nowroji Hill, Gilder Tank, Mahim Gardens and near Mahim Railway Station, Colaba (1st Koli Lane), Chinchpoogli and Arthur Road

DIAGRAM

RELATION OF RAT PLAGUE TO HUMAN PLAGUE

1908 TO 1917 BY MONTHS



To provide against possible emergencies, semi-permanent Health Camps at Koli Lane, Colaba, Suklaji Street, Tardeo, Arthur Road, Chinchpoogli (at the junction of DeLisle Road and Arthur Road), and Mahim Station were maintained in a state of repair during monsoon months. Besides these there were private Health Camps put up by the public on Mahim foreshore and at Matunga in the open fields.

As in previous years, every place where an infected rat was found or a Plague case or a case of any other infectious disease occurred, was pesterined and all the gullies and passages between houses were similarly treated.

On account of	Cases removed to Hospitals.	Houses vacated.	Houses disinfected.	Articles sterilized.
Precautionary Measures	.....	141	5,506	293
Dead Rats	.....	47	701	13
Plague	311	434	2,516	1,339
Suspicious Plague	8	...	12	...
Small-pox	360	2	690	713
Measles	11	...	282	154
Chicken-pox	18	...	85	140
Typhoid Fever	15	...	322	676
Malarial ,, ...	8	...	49	...
Remittent ,, ...	4	...	23	9
Relapsing ,, ...	4	...	3	...
Cholera	19	14	112	289
Erysipelas	2	...	11	...
Leprosy	.....	...	2	...
Diarrhœa	14	...	39	134
Tubercle of Lungs	55	...	1,415	404
Other Tubercular Diseases	25	...	201	21
Pneumonia	10	...	36	24
Other Causes	109	2	141	106
Total ...	973	640	12,146	4,315

Disinfectants used during the year, their quantities and cost.

Statement showing (*a*) the quantities in which each kind of disinfectant was used during the year ending 31st December 1917 and their cost; (*b*) quantities used (*i*) for disinfecting infected dwelling houses and rooms, and (*ii*) for disinfecting other places such as house-gullies, drains, privies, &c., and (*c*) the total annual cost of disinfectants used for each of these purposes (as required under Corporation Resolution No. 8225 of 22nd March 1917).

Name of Disinfectant.	(a)		(b)		(c)	
			Quantities of Disinfectants used		Total Cost of Disinfectants used	
			(i)	(ii)	(i)	(ii)
	Quantities of Disinfectants used.	Cost.	For disinfecting infected dwelling houses and rooms.	For disinfecting other places such as house-gullies, drains, privies, &c.	For disinfecting infected dwelling houses and rooms.	For disinfecting other places such as house-gullies, drains, privies, &c.
		Rs. a. p.			Rs. a. p.	Rs. a. p.
Pesterine .. .. Drums	12,077½	7,363 2 4	2,997	9,080½	1,998 1 9	5,365 0 7
Zondo Fluid .. .. Gallons	1,771	6,279 12 3	518	1,253	1,808 13 1	4,470 15 2
Perchloride of Mercury Solution .. .. Jars	81½	433 7 2	81½	....	433 7 2	....
Sulphur .. .. Lbs.	957½	127 15 11	122½	835	10 15 6	117 0 5
Izal Powder .. .. Bags	685	5,746 10 0	25	660	207 8 0	5,539 2 0
Carbolic Acid Powder .. .. .. Boxes	54	594 0 0	4	50	44 0 0	550 0 0
Dammer .. .. Lbs.	2,300	177 10 9	....	2,300	....	177 10 9
Acid. Hydrochloric .. .. Lbs.	1	70 0 0	....	1	....	70 0 0
Tarit Paint .. .. Gallons	10	107 8 0	....	10	....	107 8 0
Total ..	....	20,900 2 5	....	....	4,502 13 6	16,397 4 11

Small-pox.

Small-pox was prevalent throughout the year, but it did not attain epidemic proportions. It caused in the year 269 deaths against 1,021 in 1916 and 564 the average of the preceding five years. 664 Small-pox attacks including 55 imported cases were registered during the year against 2,123 (including 68 imported cases) in 1916.

The following table shows the number of Small-pox attacks and deaths during each month of the year. It will be observed that the disease was on the increase during the first five months of the year and steadily declined during the subsequent months, exhibiting a slight upward trend in December. It is characterised by seasonal prevalence which is confined to the cold months.

NUMBER OF SMALL-POX ATTACKS AND DEATHS BY MONTHS DURING 1916 AND 1917.

MONTHS.	1916.		1917.	
	Attacks.	Deaths.	Attacks.	Deaths.
January	199	84	31	9
February	380	180	48	14
March	709	340	109	49
April	411	198	110	57
May	249	107	117	37
June	100	65	100	44
July	30	24	52	22
August	17	11	15	9
September	13	5	15	10
October	7	6	12	6
November	.....	.....	13	3
December	8	1	42	9
Total	2,123	1,021	664	269

Small-pox by months.

The year opened with 1 indigenous case on the New Year's day and 664 cases were registered in January; of these 4 were imported; 1 each from Kalyan, Ratnagiri, Goa and Basti District (Upper India).

February registered 48 attacks (including 9 imported cases, 2 from Deccan Hyderabad, 2 from Poona and 1 each from Akola, Lahore, Madras, Suez, and Overseas). March recorded 109 attacks including 11 imported cases, 2 from Ahmedabad, 2 from Ratnagiri and one each from Aurangabad, Kheda (Gujrath District), Badlapore, Nowsari, Baroda, Kolhapur and Udvada. In April 5 cases were imported, one each from Nizampore, Nasik, Yeola, Dakore and the Harbour, and the month closed with a record of 110 attacks and 57 deaths.

The highest number of attacks (117) was registered in the year under report in May, and included 7 imported cases, one each from Delhi, Surat, Morvi, Ratnagiri, Bandra, Porebunder and the Overseas. June witnessed 100 attacks (including 6 imported cases, one each from Basra, Kalyan, Mangalore, Nasik, Shikarpore and Kirkee, and 44 deaths).

From July a gradual decline set in and the month registered 52 attacks (including 3 imported cases, one each from Madras, Aurangabad and Bandra) and 22 deaths.

August and September each registered 15 attacks with one case imported from the Harbour in September; and 9 and 10 deaths, respectively. October recorded 12 attacks and 6 deaths without any imported case

November and December each registered 16 and 42 attacks and 3 and 9 deaths respectively; 3 cases were imported in November, one each from Tiraputtur (Madras), Poona and Mesopotamia; 6 cases were imported in December, one each from Patan, Poona and Mesopotamia and 3 from the Harbour.

Vaccination of Pilgrims to the Haj.

The number of Mahomedan pilgrims who embarked at Bombay for the Haj during the season from 1st September to the end of October 1917 was 1,339 against 2,632 in 1916: of these, 1,200 were vaccinated in Bombay prior to embarkation. 4 males and 4 females

were primarily vaccinated and 1,020 males and 172 females were revaccinated. The operations were carried out under the supervision of the Superintendent of Vaccination. The work of vaccinating female pilgrims was done by the Nurse attached to No. 9 District in addition to her own duties. The percentage of pilgrims so vaccinated at Bombay was 89·62 against 93·05 in 1916, and was the third highest since the introduction of the measure.

Table of vaccine operations performed among pilgrims to the Haj :—

Year.	Number of Pilgrims to the Haj embarked.	Number of Pilgrims Vaccinated.	Percentage of Vaccination.
1910	18,023	8,278	45·8
1911	22,856	15,140	66·2
1912	15,464	10,587	68·4
1913	15,319	11,198	73·1
1914	11,700	9,102	77·7
1915	2,433	2,311	94·9
1916	2,632	2,449	93·05
1917	**1,339**	**1,200**	**89·62**

Small-pox by Sections.

The highest number of deaths from Small-pox during the year under review was registered in Girgaum and Kamathipura, each recording 26 deaths and giving the death-rates of ·84 and ·70 respectively per 1,000 of population in those Sections; next in order of incidence follow Fort North (25) ·98, Fanaswadi (22) ·80, Dhobi Talao (19) ·49, Byculla (15) ·19, Worli (14) ·15, Market (12) ·39; Middle Colaba and 2nd Nagpada each recorded 9 deaths and gave the death-rates of ·45 and ·32 respectively; Mandvi (8) ·24, Umarkhadi (7) ·15, Tarwadi (7) ·24, Parel (7) ·15; Esplanade, Kumbharwada, Sion and Mahim each registered 5 deaths with the death-rates of ·28, ·18, ·16 and ·16 respectively.

Fort Southern registered only one death from the disease.

Small-pox by Sex and Age.

Of the total number of 269 deaths from Small-pox, 152 were males and 117 females.

70 deaths occurred amongst infants under one year, being 26·02 per cent. of the total Small-pox mortality against 259 deaths or 25·3 per cent. in 1916 : of these 30 were males and 40 females. In the age-groups of 1 to 5 years and 5 to 15 years, 54 (26 males and 28 females) and 33 (22 males and 11 females) deaths were recorded, being respectively 20·07 and 12·26 per cent. of the total. 33·45 per cent. or 90 deaths occurred among population between 15 to 30 years (61 males and 29 females).

Vaccinal condition of infants who died of Small-pox.

Of the 70 infants who died of Small-pox during the year, 3 were said to have been vaccinated during the incubation period and 66 not vaccinated at all; in one case the vaccinal condition could not be ascertained.

Vaccinal condition of children admitted into Hospital for Small-pox.

The following table gives the information required by Government in the General Department, under their Resolution No. 3231 of the 21st May 1912, as to the vaccinal condition of children (under ten years) who were admitted for and died of Small-pox during the year in the Arthur Road Hospital. In all 113 were admitted into the Hospital during 1917 ; of these 43 were vaccinated and 70 unvaccinated. Of the vaccinated 38 recovered and 5 died. Of the unvaccinated 50 recovered and 20 died.

Age.	Vaccinated.				Unvaccinated.			
	Admitted.	Recovered.	Died.	Case-rate.	Admitted.	Recovered.	Died.	Case-rate.
1 to 6 months	...	...	...	...	7	4	3	42·8
7 to 12 months	...	...	...	...	8	2	6	75·0
1 to 5 years	15	15	...	...	31	24	7	22·5
6 to 10 years	28	23	5	17·8	24	20	4	16·6
Total ...	43	38	5	11·6	70	50	20	28·5

Yearly Return of Vaccination (excluding Bandra and Kurla) from the Superintendent of Vaccination, Bombay, for the Year 1917.

Month.	Total number of persons actually vaccinated.	Sex. Male.	Sex. Female.	Caste. Christians. Indian Christians.	Christians. Europeans.	Christians. Indo-Europeans.	Christians. Total.	Hindoos. Sudhists and Jains.	Hindoos. Brahmins.	Hindoos. Bhatias and Lohanas.	Hindoos. Hindus of other Castes.	Hindoos. Total.	Musulmans. Musulmans.	Musulmans. Negro-Africans.	Musulmans. Total.	Parsees.	Other castes. Hindus, Low-Caste.	Other castes. Jews.	Other castes. Total.	Age. Under One Year. 3 Months.	6 Months.	12 Months.	Total.	Under Six Years. 22 Months.	4 Years.	6 Years.	Total.	Upwards. 9 Years.	15 Years.	24 Years.	44 Years.	Total.	Results. Under One Year. Successful.	Failed.	Unknown.	Under Six Years. Successful.	Failed.	Unknown.	Upwards. Successful.	Failed.	Unknown.	Total Results. Successful.	Failed.	Unknown.	Total.	Number of Operations in excess of Persons.	Total number of Persons Re-vaccinated.	Re-vaccinations. Sex. Male.	Sex. Female.	Results. Successful.	Failed.	Unknown.	Total.	Number of Operations in excess of Persons.	Primary Results seen after the sending in of the last Monthly Return. Under One Year.	Under 6 Years.	Upwards.	Failed.
1917.																																																							
January ..	2,229	1,187	1,212	106	34	1	141	98	127	93	919	1,247	498	..	498	197	330	16	346	127	732	1066	1,948	762	151	26	939	7	5	..	..	12	1,862	17	129	384	8	27	11	..	1	2,207	25	167	2,399	..	..	848	212	5	..	1,155	1,160	..	..	..	..	..
February ..	1,895	939	956	174	20	1	195	78	121	83	719	1,000	333	2	335	154	191	23	211	138	589	774	1,499	220	147	17	384	6	6	..	..	12	1,961	9	169	319	6	59	4	..	8	1,704	15	176	1,895	..	..	1,428	192	..	..	1,620	1,620	..	..	..	..	..
March ..	2,212	1,114	1,098	242	27	..	269	85	137	61	881	1,164	285	..	285	148	226	30	256	179	715	873	1,767	268	149	16	431	9	3	2	..	14	1,588	19	177	372	5	82	11	..	2	1,971	24	234	2,229	17	..	1,413	178	..	..	1,591	1,591	..	..	..	..	..
April ..	1,528	769	759	88	11	3	102	9	148	17	789	963	166	..	166	39	236	33	269	85	517	625	1,227	182	101	11	294	3	3	1	..	7	1,122	20	83	228	7	28	4	..	3	1,395	27	116	1,538	..	..	1,845	252	..	..	1,897	1,897	..	..	..	..	..
May	1,317	655	662	74	16	..	9	5	70	6	733	804	126	..	126	11	229	14	273	88	479	562	1,087	141	77	5	223	4	3	..	..	7	964	25	93	186	5	32	4	..	3	1,154	40	124	1,318	1	..	1,266	272	9	2	1,408	1,419	..	..	..	..	..
June	1,372	666	706	96	8	..	74	3	74	5	823	903	122	..	122	69	197	16	213	70	459	633	1,152	133	72	8	213	3	2	2	..	7	1,097	23	53	187	4	24	6	..	1	1,280	27	77	1,384	12	..	941	135	13	..	1,089	1,076	..	..	..	..	..
July	1,398	675	723	70	6	..	76	4	79	4	870	957	96	..	96	60	261	8	269	87	421	648	1,176	121	92	10	223	1	..	1	..	2	1,065	28	57	198	7	18	2	..	1	1,289	35	76	1,400	2	..	642	89	1	..	730	731	..	..	..	..	..
August ..	1,2 8	571	637	34	10	..	44	2	39	..	668	709	163	..	163	61	202	29	231	84	346	600	1,030	104	83	9	192	6	..	..	..	6	924	27	89	165	6	21	6	..	..	1,095	33	80	1,208	..	..	1,787	242	..	..	2,029	2,029	..	..	..	..	..
September ..	1,077	516	561	43	9	1	53	2	33	..	548	583	112	..	112	34	286	5	291	67	298	520	885	191	82	5	188	3	1	..	..	4	827	15	54	168	6	17	4	..	..	906	21	71	1,088	11	..	612	84	..	1	695	696	..	..	..	..	..
October ..	1,220	807	631	63	9	..	72	5	49	2	645	701	116	..	116	40	280	19	299	90	342	581	1,013	113	79	14	206	6	2	1	..	9	950	19	46	188	1	17	7	2	..	1,143	22	62	1,220	2	..	816	60	2	1	879	878	..	..	..	..	..
November ..	1,605	743	762	104	15	..	119	7	43	7	621	678	268	..	268	114	307	19	326	109	432	711	1,252	164	89	15	278	4	1	..	..	5	1,167	13	87	215	4	19	5	..	..	1,387	17	106	1,510	5	..	4,021	160	1	1	4,179	4,181	..	..	..	..	..
December ..	1,878	937	891	46	15	..	62	15	111	37	819	979	361	..	361	120	283	22	305	120	480	972	1,472	226	112	9	347	4	4	1	..	9	1,396	9	74	228	1	12	3	..	4	1,726	10	100	1,836	8	..	4,186	96	..	..	4,281	4,281	..	..	..	..	..
Total ..		9,309	9,658	1,119	181	6	1,307	307	1,041	315	8,025	10,688	2,725	2	2,727	1,015	2,205	224	3,210	1,228	5,767	8,499	15,495	2,632	1,213	142	3,378	56	30	8	..	94	14,277	334	1,018	2,572	60	343	69	3	24	17,223	396	1,380	18,999	58	..	19,396	1,852	21	5	21,191	21,227	..	..	..	..	..
Total ..	18,967	18,967		1,797				10,688					2,727			5,210			15,495				3,378				94				15,549			3,331			95			19,025						21,227			21,227						

N.B.—The statement includes vaccinations performed by Private Medical Practitioners and the Medical Officers in charge of the two Jails.

Vaccination Stations.

There are 16 Vaccination Stations including the Central Vaccination Depôt at Supari Bag Road, Parel; of the stations, three are worked on every Monday morning and two every morning during the rest of the week; while that at Kalbadevi Road is open every Sunday morning and on week days it is open during the afternoon hours only.

Vaccination is performed every afternoon excepting on Sundays and holidays at Supari Bag Road, the office of the Superintendent of Vaccination.

Vaccination is a routine duty of the Department throughout the year; and vigorous efforts are made to push it on especially during the cold season. Leaflets of precautions against Small-pox are widely distributed in the City and the District Registrars and Nurses and the Vaccination staff pay visits to houses, chawls and affected localities to find out unprotected persons and vaccinate and revaccinate in large numbers.

The total number of vaccine operations performed during the year was 40,194 against 50,961 in 1916.

Vaccine tubes tested.

As to the information asked for in Corporation Resolution No. 8107 of 19th March 1917, 1,098 capillary tubes were bacteriologically examined by the Municipal Analyst during the year under report. No extraneous micro-organisms were reported in any of these emulsions and no emulsion had to be rejected as a result of bacteriological examination. These tubes were samples from 311 glycerinated emulsions.

Cholera.

There were 61 deaths registered from Cholera during the year under review against 141 deaths in 1916. The number of Cholera attacks was 74. The disease, though prevalent throughout the year, did not reach epidemic proportions.

Cholera by months.

6 attacks (including one imported from Calcutta) and 6 deaths were registered in January. The disease was absent in February. One attack and one death were registered in March. None in April. One attack and one death were registered in each of the months of May and June. But the incidence of the disease received a sudden impetus in July which registered 12 attacks (including one imported from Mhosla in Janjira State) and 8 deaths. In August there were 2 cases inclusive of one imported and 1 death. In September there were 9 cases, including 4 imported and 7 deaths; and in October 25 cases including 5 imported and 20 deaths.

During the month of October a small outbreak of Cholera occurred in A Ward, and the first case intimated to this office on 11th October 1917 was that of a Christian woman, in house No. 193, Bazaar Gate Street, taken ill at 6 a.m. The woman was removed to her mother's residence at Dadar, but the place being locked, she returned and died on her way back in a victoria. The woman had not come in contact with any similar case before. No bacteriological examination could be made as the patient was not removed to hospital.

The second case was that of a Christian cook who got the attack at 6 a.m. on the same day in house No. 113, Frere Road. He had some of the symptoms of Cholera, but proved bacteriologically negative. He died at the Arthur Road Hospital on the 18th October.

Two more cases were detected on 13th October 1917 in premises No. 16, Cawasji Patel Street. These two cases were on the same floor and in adjoining rooms. They were not related to each other nor were they members of the same family. One of them was a clerk employed in an office in Navsari Building, Hornby Road. He had taken stale rice in the morning and got the symptoms in office, whence he went to Goculdas Tejpal Hospital and from there he was transferred to Arthur Road Hospital. The bacteriological evidence was negative. The other was a cook unemployed, but he had eaten stale mutton the previous night. This case was reported by the medical attendant as Cholera, but bacteriological evidence was not available. The same evening a third case was brought to notice in premises No. 257, Mody Street. This man was attacked at 1 p.m. and died the same night. No bacteriological evidence was available in this case also. In the same house and in the same room a death had occurred on the previous day, *i.e.*, on 12th October 1917, in which case there was a history of Fever and Bronchitis for 15 days and Diarrhœa and vomitting on the last day. This was certified as Gastro-Enteritis and not shown as Cholera. On 14th October 1917, the case of a peon in the Improvement Trust Office and residing in premises No. 214, Mody Street, was intimated to this Department. It occurred in a house only a few yards away from premises No. 257, Mody Street, where a similar case had occurred on the previous day. There was however nothing common between the two. He took his meals on the premises, was attacked at 8 a.m. and was removed to the Arthur Road Hospital where he died. As no bacteriological evidence was forthcoming in this case and as the motions were completely checked, it was shown as "suspicious Cholera."

In the early morning of 15th October, a death from "suspicious Cholera" occurred in premises No. 20, 1st Koli Lane, Colaba, amongst mill hands working in the Colaba Land and Mill Company. The man had symptoms on the previous day late in the evening and died the same night. No bacteriological examination was available in this case.

Another case in the morning was noticed in the Palton Road Municipal chawl and was sent to Arthur Road Hospital.

It was found negative on bacteriological examination and the man subsequently recovered.

A case of a Bania lady in premises No. 232, Mody Street, was notified. This lady was attacked on the 12th October and died on the 15th idem. No bacteriological evidence was available.

On the same day a man who was suffering from Chronic Dysentery for a very long time in premises No. 8-10, Mody Street, was reported to be suffering from Cholera, but the medical attendant certified it as Dysentery. No bacteriological evidence was available.

Sometime after, a case of "suspicious Cholera" in premises No. 137, Mody Street, was notified. He was a Christian motor driver, and was attacked on the 12th. He had taken stale meat the previous night and was removed to Arthur Road Hospital on 16th October. The bacteriological evidence was negative.

Late in the evening a case in the Harbour on country craft No. 2606 was notified. The man was attacked on the 14th, and was removed to Arthur Road Hospital on the 15th. Bacteriological evidence was negative. Early on the morning of 16th October 1917, a dead body was seen at premises No. 137, Mody Street, in the same family and on the same floor as the case of the Christian motor driver. This woman was related to the motor driver and had nursed him. She was attacked at 6 a.m. on the 15th, and died the same night.

In the afternoon another case from the same family was brought to notice and removed to Arthur Road Hospital. It was reported to be positive bacteriologically.

Another case was brought to notice at Murzban Road (Esplanade Section) in Public Works Department Store Yard of a muccadum. He was attacked on the 12th and was removed to Arthur Road Hospital. Bacteriological examination of urine showed positive results.

At 9 p.m. on 17th October a case was reported from country craft No. 16027. This man came from Gharapuri that evening. He was attacked on 16th October, and died in an ambulance on his way to Hospital. No bacteriological examination was possible.

On the 18th October 1917, a death in the Cochin Street Municipal chawl for bigaries was reported. The cause of death was verified to be Cholera. This man was working on Customs House Road and had not come in contact with any previous case. He was attacked on the 17th and died the same day at night. Another death occurred in the same chawl on 17th October on the ground floor in a different family. This woman had not come in contact with the previous case.

The same day two cases were removed from No. 92, Cochin Street, from a chawl next to No. 12, Cochin Street. One of them died in ambulance and the other was declared to be positive bacteriologically.

On the 19th October, a further case (daughter of the case who died in ambulance on 18th October 1917) was detected. She died in ambulance on her way to hospital.

At night a case was reported in premises No. 296, Borah Bazar Street, of a domestic servant who was working at No. 232, Mody Street, where a case had previously occurred on 15th October. He was working in the family where a case had occurred.

The same day (19th October), a case occurred in huts on Ballard Estate among the workmen employed in a building under construction.

On 21st October, another case occurred in the same family in which a case had occurred on 19th October 1917, but in a different shed where the family had shifted.

Further a case was removed from country craft No. 13932 to Arthur Road Hospital. The man, a new arrival from Ratnagiri, worked on the boat. Bacteriological result was positive.

On 24th October another man working in the same boat was removed to Hospital. He was also a new arrival from Ratnagiri. Bacteriological result was positive.

On 25th October, a death occurred in the Harbour near Carnac Bunder which was reported by the Port Health Officer as Cholera.

On cases coming to the notice of this Department immediate steps were taken to remove them to Hospital and disinfect the places. The contacts were kept under observation and the houses frequently visited.

In November, there were 7 attacks including 2 imported cases and 7 deaths. December recorded 10 attacks and 9 deaths, there being two imported cases.

Cholera by Sections.

From Table No. 7 appended at the end of this report, it will be seen that the general death-rate from Cholera for the whole City was ·06 in the year under report, being lower by ·8 than that of 1916 (·14). The disease was totally absent in Fort South, Chakla, Umarkhadi, Khetwadi, Chowpati, Walkeshwar, all the Sections of E Ward excepting Mazagon and Byculla and in Sewri in F Ward. Compared with the quinquennial mean, all the Sections excepting Upper Colaba and Fort North registered a lower death-rate from the disease.

Tuberculosis.

The number of deaths registered in 1917 as due to Tuberculosis was, compared with that in the preceding three years, as under:—

Year.	No. of deaths from Tuberculosis.
1917	2,118 including 112 among inmates of War Hospitals.
1916	1,902 including 62 among inmates of War Hospitals.
1915	1,710
1914	1,889

The mortality from this cause, though higher in 1917 than in any of the preceding three years, was much lower than in any other previous year. This increase does not necessarily signify a corresponding increase in the incidence of the disease. The fact is that modern methods of diagnosis have made it possible to identify the disease in its earlier stages, with the result that cases which under other circumstances have been incorrectly classified as "Fever" and "Bronchitis" are now correctly diagnosed and shown as Tuberculosis. The facilities provided by the King George V Anti-Tuberculosis League through their Dispensaries for advice and treatment have brought to notice many cases which would otherwise have remained at home undetected and untreated. The Annual Reports of the League record how, during the domiciliary visits paid by its medical officers and nurses, "their advice is listened to with attention, often pertinent questions are asked and from among the listeners patients and contacts are revealed."

Though notification of Tuberculosis is compulsory, it is far from complete, as will be seen from the following table which shows that, of the cases which came to the notice of the Department, more than 67 per cent. were notified after death :—

Notification of Tuberculosis.	1916.	1917.
Number of deaths from Tuberculosis	1,902	2,118
Total number of cases of Tuberculosis that came to the notice of the Health Department	2,877	2,937
(*i*) Notified before death	1,128	962
(*a*) By Medical Officers of the Anti-Tuberculosis League ...	872	700
(*b*) By Civil Hospitals and Dispensaries	106	105
(*c*) By Private Medical Practitioners...	72	71
(*d*) By District Registrars of the Health Department ...	63	53
(*e*) By War Hospitals...	15	33
(*ii*) Notified after death	1,749	1,975
(*a*) By Civil Hospitals and Dispensaries	291	381
(*b*) By Private Medical Practitioners	187	273
(*c*) By District Registrars of the Health Department as verified from information collected from the friends and relatives of the deceased	1,207	1,209
(*d*) By the Port Health Officer	2	...
(*e*) By War Hospitals...	62	112

Tuberculosis by Sections.

The death-rate from the disease in the entire City in 1917 (2·16) was higher than in 1916 (1·94) and higher also than the mean of the last five years (2·13).

The following Sections indicate rates higher than the decennial mean :—

	Death-rate.	
	1917.	1912-1916.
Upper Colaba	7·70	4·49
Fort, Southern	14·44	4·62
Fort, Northern	4·48	2·87
Second Nagpada	5·34	3·91
Kamathipura	5·85	5·03
Tardeo	4·21	3·27
Sion	2·80	1·10

The increase in the case of Fort Southern appears enormous, but the Section is mostly a business locality and not residential and exhibits high mortality rates. Some of these Sections contain War Hospitals and if the ratios be worked out after deducting the number of deaths which occurred in these Hospitals, they will be found to be much lower.

Sections.	War Hospitals in the Sections.	No. of deaths from Tuberculosis.
Upper Colaba	Colaba War Hospital ...	5
Fort Southern	Lady Hardinge „ ...	43
Sion...	Labour Corps „ ...	45

The death-rates after deducting these deaths will be as follows:—

	Total No. of deaths.	Less deaths in War Hospitals.	Resulting death-rate.
Upper Colaba	12	7	4·49
Fort, Southern	50	7	2·02
Sion	86	41	1·33

The Sections which recorded the highest ratios were Upper Colaba (7·70), Fort Southern (14·44), Second Nagpada (5·34), Kamathipura (5·85) : the Sections that recorded some of the lowest rates were Dongri (·44), Mazagon (·33), Parel (·85) and Sewri (·62).

The following table gives the Tuberculosis mortality and the death-rate per 1,000 of population in the Sections during 1916 and 1917 :—

MORTALITY AND DEATH-RATE PER 1,000 OF SECTION-POPULATION FROM TUBERCULOSIS.

Ward.	Sections.	1916.		1917.		Average of 1912-1916.	
		No.	Rate.	No.	Rate.	No.	Rate.
A	Upper Colaba	6	3·85	12	7·70	7	4·49
	Middle and Lower Colaba.	20	1·01	38	1·93	23	1·16
	Fort, Southern	39	11·26	50	14·44	16	4·62
	Fort, Northern	76	2·99	114	4·48	73	2·87
	Esplanade	71	3·99	69	3·88	58	3·26
B	Mandvi	67	2·01	80	2·40	83	2·49
	Chukla	81	3·34	60	2·47	94	3·87
	Umarkhadi	92	2·01	92	2·01	177	3·87
	Dongri	15	·55	12	·44	49	1·79
C	Market	34	1·12	45	1·49	44	1·45
	Dhobi Talao	52	1·34	59	1·52	60	1·55
	Fanaswadi...	34	1·24	51	1·89	36	1·31
	Bhuleshwar	37	1·01	38	1·04	43	1·17
	Khara Talao	61	2·65	61	2·65	76	3·30
	Kumbharwada	44	1·58	61	2·20	73	2·63
D	Khetwadi	86	2·69	72	2·25	96	3·00
	Girgaum	73	2·37	83	2·69	81	2·63
	Chowpati	21	1·84	31	2·74	26	2·28
	Walkeshwar	10	·93	23	2·18	17	1·59
	Mahalakshmi	67	2·54	60	2·28	50	1·90
E	Mazagon	9	·29	10	·33	24	·79
	Tarwadi	95	3·34	101	3·55	95	3·34
	Second Nagpada	103	4·74	116	5·34	86	3·91
	Kamathipura	174	4·73	216	5·85	185	5·03
	Tardeo	92	3·31	117	4·21	91	3·27
	Byculla	108	1·43	81	1·07	103	1·36
	First Nagpada	13	2·02	16	2·47	16	2·49
F	Parel	50	1·09	39	·85	50	1·09
	Sewri	15	·78	12	·62	16	·83
	Sion	37	1·20	86	2·80	34	1·10
G	Mahim	50	1·63	45	1·47	54	1·77
	Worli	164	1·83	160	1·78	147	1·64
	Harbour, Docks, Railways and Homeless.	6	·13	8	·17	6	·13
	Total...	1,902	1·94	2,118	2·16	2,089	2·13

Tuberculosis by Race or Caste.

The following table shows the death-rate from Tuberculosis in the different communities in 1917, calculated per 1,000 of population in the caste ; corresponding rates for the preceding year and the mean rate for the quinquennium (1912-1916) are given for comparison. It will be seen that the ratio for the entire City was 2·16 ; Hindus as a whole 1·91, Parsees ·92, Jews 1·97, Eurasians 1·91 and Europeans 1·00 registered a lower rate than the City ; while Mussalmans (including Negro-Africans) 3·47, Indian Christians 2·35 and Buddhists 6·92, exceeded the City's rate. Among Hindu communities, Jains 2·54, Bhatias 2·44, Lingaits 16·11, and Hindus, low caste, 3·59 registered a higher rate. All the communities, excepting Lingaits, Bhatias, Hindus of other castes, Hindus, low caste, Jews, Europeans and Buddhists recorded a lower rate than the average of the preceding five years ; among Eurasians it was the same as the quinquennial mean.

RATE OF MORTALITY FROM TUBERCULOSIS BY CASTE.

RACE OR CASTE.	1916.	1917.	Average of 1912—1916.
Hindus. Jains	2·73	2·54	2·68
Hindus. Brahmins	·98	1·26	1·36
Hindus. Lingaits	11·87	16·11	9·32
Hindus. Bhatias	2·44	2·44	2·31
Hindus. Hindus of other Castes	1·55	1·75	1·63
Hindus. Hindus, Low Caste	2·80	3·59	3·31
Hindus, all Castes	1·67	1·91	1·79
Mussalmans (including Negro Africans)	3·27	3·47	3·69
Parsees	·78	·92	1·09
Jews	1·66	1·97	1·36
Indian Christians	2·32	2·35	2·73
Eurasians	2·38	1·91	1·91
Europeans	·84	1·00	·75
Buddhists	.....	6·92	1·73
Other and unknown Castes	.....	7·35	.....
TOTAL	1·94	2·16	2·13

Proposed provision of beds for Tuberculosis by the Municipality

The Medical Relief Committee of the Corporation to whom my Report of 1915 on the general question of Tuberculosis in Bombay and the measures to be carried out on the lines adopted in European cities was referred, stated as follows in para. 3 of their report, dated 16th December, 1915 :—

"The Commissioner forwards an exhaustive report by the Executive Health Officer on the subject, in which he describes the steps that have been taken in this City as compared with those taken in other cities to deal with the disease and suggests the measures that should be taken in Bombay to cope with it. It is estimated that 200 beds are required in this City of which 32 are proposed to be provided by Government. The Health Officer proposes that 50 beds should be provided at the Maratha Hospital and 50 beds on the land adjoining the Arthur Road Hospital. With regard to this proposal the Commissioner rightly points out that it is necessary, in the first place, to improve and add to the existing Arthur Road Hospital for other infectious diseases and that this will occupy the land that is at present available for the purpose. He, however, sees no reason why 50 beds should not be immediately provided near the Maratha Hospital on Connaught Road. The advantages of this Hospital are that the wards are already existing, that the Hospital is situated near the centre of the town and that persons could therefore be easily induced to leave their houses and be treated in it. The Commissioner, therefore, proposes that 50 beds should be maintained. The initial expenditure for this provision inclusive of a dispensary has been estimated at Rs. 1,50,000 and the annual maintenance charges at Rs. 32,500. After careful consideration the Committee beg to recommend that in the first instance 25 beds for Tuberculosis cases be provided at the Maratha Hospital with a dispensary attached thereto, and that as far as possible the work may be treated as forming part of the operations of the Maratha Hospital so as to effect economy."

These recommendations were approved by the Corporation towards the end of January 1916 and forwarded to the Health Officer by the Municipal Commissioner about the middle of February. In March the Health Officer, the Executive Engineer and the Special Assistant Health Officer in charge Infectious Diseases Hospital met at the Maratha Hospital and discussed the site of the proposed Tuberculosis ward and Dispensary. The Health Officer suggested the purchase of additional land from the adjoining owner and the Executive Engineer undertook to prepare the necessary plans and estimates.

Later the Executive Engineer pointed out that the piece of land on which the Maratha Hospital stood was vested in the City Improvement Trust and in March 1917 estimated the market value of the whole area (15,752 square yards) at Rs. 1,89,024 (at Rs. 12 per square yard) as payable to the Trust in the event of resumption of the plot by the Municipality being decided on.

The Chief Accountant reported that no funds were available for the purpose. The Municipal Commissioner decided that in view of the fact that the Trust had agreed not to levy rent if interest on the schedule value was not exacted from them, the question of ownership of the site need not have been raised and asked the Health Officer what additional land was required.

The Executive Health Officer reported that the land behind the Maratha Hospital was being rapidly covered with buildings and, after discussing the question with the Municipal Commissioner, suggested that the proposal which had been sanctioned for extending and improving the Arthur Road Hospital for Infectious Diseases should be proceeded with so that when the land was acquired and filled in, a hospital for 25 or more beds for Tuberculosis could, with greater advantage, be provided on a site well away from other buildings. The Municipal Commissioner having agreed to the suggestion, the Executive Engineer has been furnished the details of accommodation required.

Work being done.

The work in the prevention and treatment of Tuberculosis in Bombay is at present carried on by the Anti-Tuberculosis League. It consists of the provision of two Dispensaries with a Medical Officer in charge of each and three Nurses. Patients come to the Dispensaries and are treated there. The Medical Officers and Nurses visit the houses of the patients and give advice as to the measures necessary to prevent the spread of the disease and inquire into the incidence of the disease in families and advise them to come to the Dispensary.

Lectures illustrated with magic lantern slides are given by the Medical Officer and pamphlets printed in the vernaculars are freely distributed.

The work is carried out in intimate relation with the Health Department, as all cases coming to the notice of the Medical Officers of the League are reported to the Health Officer and to the District Registrars for disinfection, etc., and the District Registrars notify to them cases which come to their knowledge, so that the homes of such persons come under the supervision of the League.

During the year under report, 972 Tuberculous patients (including repetitions) were treated at the two dispensaries. This number shows an increase of one hundred over that of 1916. 431 of these patients were males and 541 females. The total number of Tuberculous cases who sought relief at the two dispensaries since 1913 now amounts to 972 ; Hindus contributed 526, the number of males and females being about equal; Mahomedans, 245 cases, of whom 170 were females and only 75 males. Parsee admissions were 83 ; 50 females against 33 males. Christians numbered 103, 44 males against 49 females, and Jews 15, 7 males and 8 females. Taking the aggregate of five years the different communities show the following incidence :—

Hindus	1,875	cases.
Mahomedans	796	„
Parsees	344	„
Christians	365	„
Jews	50	„

The incidence of Pulmonary Tuberculosis was 2,196, Glandular Tuberculosis 961, and Bone Tuberculosis 85.

The League has now made a notable step forward and will establish a Sanitarium for Tuberculosis within easy access in the City so as to induce the people to segregate and isolate patients, where they could be easily visited by their friends and relatives. The property known as the "Aina Mahal" situated on a hillock to the north-east of the Old Government House, Parel, admeasuring 11,393 square yards has been purchased. It is proposed to start with fifty beds and to utilise the Sanitarium for (1) treating early cases, (2) segregating advanced cases, (3) treating Glandular Tuberculosis in children, and (4) an open air school. The Western India Turf Club gave a generous donation of 2 lakhs for purchasing the property and the League have approached the Government of Bombay and the Municipal Corporation for special donations for the initial cost of organising the institution and also for an increase in the maintenance grant.

Fevers.

The number of deaths registered under the general heading of "Fevers" (including Scarlet, Enteric, Malaria, Ague and Remittent and Relapsing Fevers) was 2,449, being 308 more than in 1916, but 298 less than the average of the preceding quinquennium and 534 less than the decennial average (1907-1916); the rate of mortality from Fevers per 1,000 of population (2·50) was (·32) higher than in 1916. Scarlet Fever recorded no death as in the preceding year. Relapsing Fever registered 5 deaths during the year under report.

To Enteric Fever 170 deaths were due, being 2 more than in 1916 and 24 more than the preceding quinquennial average. A special report regarding the supposed increase in the prevalence of Enteric Fevers was forwarded to the Corporation under my No. 936 of 6th November 1917. Malaria recorded 262 deaths being 24 more than in 1916 but 6 more than the average of the preceding quinquennium (1912-1916).

From Ague and Remittent Fever 2,012 deaths were recorded, being 280 more than in 1916 and 331 more than the average of the preceding quinquennium. The following statement gives the monthly variations of mortality in 1917 from all kinds of Fevers in general and from each type separately. The maximum mortality from Fevers was reached in May (being 249 against 228 in March 1916) and the lowest registered in February (143 against 152 in January of the preceding year).

FEVER MORTALITY BY MONTHS IN 1917 AND 1916.

MONTHS.	1917.					1916.
	Enteric.	Malaria.	Ague and Remittent.	Relapsing.	All Fevers.	All Fevers.
January	11	13	142	.....	166	152
February	6	16	121	.....	143	161
March	16	20	182	1	219	228
April	8	22	206	2	238	209
May	10	27	210	2	249	191
June	33	25	155	.....	213	176
July	28	12	198	.....	238	164
August	20	20	161	.....	201	177
September	15	20	154	.....	189	181
October	8	37	137	.....	182	161
November	6	26	166	.....	198	158
December	9	24	180	.....	213	183
Total ...	170	262	2,012	5	2,449	2,141

Measles.

Measles registered 221 deaths, being 123 less than in 1916 and 1 less than the average of the preceding quinquennium.

Influenza.

Influenza caused 5 deaths against 6 in the previous year and 2 the average of 1912-1916.

Whooping Cough.

To Whooping Cough 14 deaths were due, being 7 and 2 more than in 1916 and the average of the foregoing 5 years respectively.

Diarrhœa.

From Diarrhœa, 1,610 deaths were registered, being 14 less than in the antecedent year and 536 less than the average of the preceding five years.

Dysentery.

Dysentery caused 981 deaths, being 185 more than in the previous year and 40 more than the average of 1912-1916.

Puerperal Septicæmia.

To Puerperal Septicæmia 252 deaths were due, being 23 more than in the foregoing year but 36 less than the average of the preceding quinquennium.

Leprosy.

Leprosy registered 84 deaths, being 3 less than in 1916 but 4 more than the average of the previous five years.

Cancer.

Cancer caused 86 deaths, being 16 and 18 more than in the previous year and the average of the antecedent five years respectively.

Premature Birth.

The number of deaths amongst children born prematurely was 346, being 11 less than in 1916 but 115 more than the average of the previous quinquennium.

Debility.

Debility caused 2,579 deaths, being 364 more than in the preceding year and 276 more than the average of 1912-1916.

Old Age registered 1,991 deaths, being 889 more than in the preceding year and 417 more than the average of the previous five years. Old Age.

In the Maratha Plague Hospital, 1 case of Jigger among the troops from Overseas was admitted during the year against 57 in 1916; the patient recovered. Jigger.

To the Diseases of the Nervous System 2,063 deaths were due, being 108 more than in 1916 and 138 more than the average of 1912-1916. Diseases of the Nervous System.

From the Diseases of the Circulatory System 369 deaths were registered, being 36 less than in 1916 but 12 more than the average of the preceding quinquennium. Diseases of the Circulatory System.

Tubercule of Lungs caused 1,875 deaths, being 195 more than in the previous year and 112 more than the average of the past five years; of these 112 deaths were among the inmates of the War Hospitals. Tubercle of Lungs (Phthisis).

To the Diseases of the Respiratory System 11,231 deaths were due, being 1,582 more than in 1916 and 2,542 more than the average of 1912-1916. Diseases of the Respiratory System.

The Diseases of the Digestive System registered 1,475 deaths, being 191 more than the antecedent year and 252 more than the average of the preceding five years. Diseases of the Digestive System.

The Diseases of the Lymphatic System caused 15 deaths against 11 in the previous year and the average of the foregoing quinquennium. Diseases of the Lymphatic System.

To the Diseases of the Urinary System 292 deaths were due, as in 1916, being 23 less than the average of the previous five years. Diseases of the Urinary System.

From the Diseases of the Generative System 219 deaths were registered, being 52 and 67 more than in the foregoing year and the average of the previous quinquennium respectively. Diseases of the Generative System.

To the Diseases of the Organs of Locomotion and Connective Tissue 79 deaths were ascribed, being 11 less than in 1916 and 17 less than the average of the preceding five years. Diseases of the Organs of Locomotion and Connective Tissue.

The number of deaths from Accidents and Violence was 674 during the year under report, being 88 less than in the previous year but 11 more than the average of 1912-1916. Of these, 60 were due to poisoning, being 6 less than in 1916 but 3 more than the average of the foregoing quinquennium; of these, 29 were suicidal, 14 accidental, 3 from snake-bite and in 14 cases the circumstances under which the poison was administered were not known. To Drowning 91 deaths were due, being respectively 12 and 8 more than in the previous year and the average of the preceding quinquennium; of these, 9 were suicidal, 34 accidental and in 48 cases the circumstances under which the deaths took place were not known. Accidents.

The twelve Municipal Dispensaries, including "Parbhadevi Road Municipal Dispensary" and "Bai Gowrabai Dispensary" at Kamathipura, both opened in 1912, were open throughout the year to administer, as in the past, free medical relief to the sick poor of the City. Municipal Dispensaries.

The actual number of new cases (individuals) treated at the Dispensaries during the year was 1,02,921 (67,597 males and 35,324 females) against 1,04,564 in the preceding year, making 4,14,889 the total number of attendances against 4,17,812 in 1916. Of these, 1,488 patients were seen at their houses.

The diseases treated at these Dispensaries were Plague, Small-pox, Measles, Fevers, Diarrhœal Diseases, Diseases of the Respiratory, Digestive, Nervous, Urinary, Circulatory and Generative Systems and other general and local diseases.

The actual number of new cases treated individually at the Colaba and Victoria Bunder Charitable Dispensaries (to which a contribution is paid by the Municipality and which are under the control of the Registrar No. 1 District, who visits them daily) was 10,799 (7,389 males and 3,410 females) against 9,482 in 1916, making 43,883 the total number of attendances; out of these, 31 patients were seen at their houses.

The number of Notifications of Infectious Diseases received during the year was 1,673 against 2,665 in the antecedent year. Of these, 996 were of Plague, 181 of Phthisis and other Tubercular Diseases and 496 of other Infectious Diseases. Notification of Infectious Diseases.

From "Hakims and Vaidyas" 2 notifications were received during the year.

The percentage of notifications received which had steadily risen from 11·29 in 1910 to 23·35 in 1916 fell to 18·26 in the year under report; it is, however, higher than in any year since 1910, except 1916.

Certification of the Cause of Death.

The total number of Certificates of the cause of death received during the year was 10,062 against 9,568 in 1916; of these, 5,355 were from qualified medical practitioners, 189 from Hakims and Vaidyas, 3,642 from various Hospital Authorities. The causes of 613 and 263 deaths were certified by the Commissioner of Police and the Coroner of Bombay respectively. The percentage of certification which had risen from 8·66 to 17·01 in 1916, slightly declined to 16·60 in the year under report.

The cause of 781 deaths was certified by the Registrars after seeing the persons during their last illness, the cause of 21,666 deaths was verified by the Registrars on the information gathered from the relatives of the deceased and of 881 after seeing the dead bodies.

Year.	No. of Notifications received from			Percentage of total Notifications to number of cases reported by District Registrars.	Number of Certificates of Cause of Death received from			Percentage of total Certificates received to Total Mortality.
	Medical Practitioners.	Hakims & Vaidyas.	Total.		Medical Practitioners.	Hakims & Vaidyas.	Total.	
1910	1,487	68	1,555	11·29	2,894	134	3,028	8·66
1911	1,551	53	1,604	11·63	3,994	287	4,281	12·24
1912	1,687	31	1,718	11·32	4,891	289	5,180	13·29
1913	1,765	34	1,799	15·07	4,620	236	4,856	15·26
1914	1,746	30	1,776	16·00	4,620	203	4,823	15·14
1915	836	.....	836	12·15	3,501	152	3,653	15·42
1916	2,665	1	2,666	23·35	5,033	169	5,202	17·01
1917	**1,673**	**2**	**1,675**	**18·26**	**5,355**	**189**	**5,544**	**16·60**

Copies of Certificates issued.

During the year, 814 copies of Certificates of Registry of Death and 229 of those of Birth and 8 true copies of Births and Death Reports and medical certificates were issued and the total fees received on account of them and for searches of Birth and Death Registers for indefinite periods as well as for producing such Registers in Courts of Law amounted to Rs. 1,380-0-0 against Rs. 1,350-0-0 in 1916.

Notices under the Act.

The number of notices served by the Health Department during the year under the various sections of the Municipal Act was 3,974 against 4,021 in 1916. Of these 1,803 were complied with, 1,379 were not complied with, 343 cancelled, the parties having complied with the requirements of the notice, and 449 were pending at the close of the year.

In 3,982 cases summonses were issued by the Presidency Magistrates at the instance of this Department against 3,271 in the preceding year. Convictions were obtained in 1,697 cases and in 1,491 cases the parties were warned and discharged; 39 cases were dismissed, 728 withdrawn, the offences having ceased. 27 cases were pending at the close of the year.

Of the notices, 33 were issued against over-crowding in E Ward against 3 in 1916. of these 28 were complied with and 1 cancelled. In the remaining 4 cases, which were not complied with, summonses were issued by Presidency Magistrates and all the parties were warned and discharged as the over-crowding was subsequently abated.

Conservancy Work.

The number of carts of cutchra, drain stuff and other matter emptied at the Tardeo Flats and other places in the City during the year was 7,15,034 against 7,56,426 in the preceding year. Of these, 5,97,716 were departmental and 1,17,318 private. The decrease is due principally to two causes, *viz.*, (1) improved embarkation facilities in the new docks whereby animals shipped for military purposes were transferred to ships direct from Railway trucks thus obviating the necessity of accommodating them in Military Camps in the City; the result being a reduction of the quantity of litter, &c., removed by departmental carts; and (2) decrease in trade, especially imports in consequence of which refuse from the Docks which is all brought in private carts to the flats, was considerably less than in the previous year.

The figures, however, compare favourably with those for 1915.

During the year, 70,877 night-soil and cesspool carts and 36,18,451 night-soil baskets were emptied at the several Night-soil Depôts in the City, as compared with 92,924 night-soil and cesspool carts and 39,63,803 night-soil baskets in the previous year. Of these, 4,351 night-soil carts were private and the rest Departmental. The decrease in the year under report of 22,047 night-soil carts and 3,45,352 night-soil baskets was due in part to the conversion of a number of basket privies into water-closets. During 1917, 396 water-closets were substituted for basket privies.

Decrease in carts was due to three causes—

Decrease in 1917 of number of night-soil carts and baskets disposed of.

1. Practical completion of house drain connections on Malabar and Cumballa Hills doing away with cesspools for waste water thereby reducing the carts from 2,715 to 992.

2. Demolition of large areas in E Ward in connection with Port Trust Schemes at Mazagon and Ghorupdeo in which were many insanitary houses connected to cesspools in unsewered localities, thus reducing carts from 2,733 to 1,143.

3. Introduction of minor drainage schemes in F and G Wards reducing the number of carts from 59,196 to 41,097 and 21,420 to 19,032.

Decrease in baskets was due to two causes—

1. Introduction and substitution of W. Cs. in all Wards.

2. And principally to City Improvement Trust operations in B Ward in connection with the Sandhurst Road and *Nowroji Hill Schemes whereby large numbers* of houses with privies were demolished, thus reducing number of baskets from 8,98,060 to 6,16,159.

ADMINISTRATION OF PUBLIC HEALTH.

For administration purposes, the City has been divided into seven Wards, each under the subordinate charge of a Deputy Health Officer who is responsible for both the Conservancy and Sanitary work of his Ward. The Deputy Health Officers are assisted by a staff of Sanitary and Conservancy Inspectors. The Deputy Health Officers are under the direct control of the Executive Health Officer who is assisted by two Assistants.

For the purposes of Registration of Births and Deaths and free Medical Relief, the City has been divided into ten Districts with ten Municipal Charitable Dispensaries each in charge of a Registrar, assisted by two Sub-Registrars who are all qualified medical men; one trained visiting Nurse and Midwife is attached to each District Office. In addition to these ten Dispensaries, two more were opened in 1912, one at Purbhadevi and the other, "Bai Gowrabai Dispensary", at Kamathipura; the former Dispensary is in charge of Registrar No. 10 District and the latter of No. 8 District. Each of the District Offices is equipped with staff for registering births and deaths, inquiring into the cause of death, checking Cemetary Returns, and for disinfecting houses and rooms, where cases of Infectious Diseases may have occurred or dead rats may have been reported. The work of the Registrars is supervised by the Deputy Health Officers and the Executive Health Officer with his two Assistants.

There is also a Special Assistant Health Officer in charge of the Arthur Road Hospital for Infectious Diseases and Maratha Hospital for Plague.

There is also a Special Assistant to the Health Officer for Malaria in charge of the Special Malaria Department.

For analytical and bacteriological examination, there is a Municipal Analyst in charge of a fully equipped Chemical and Bacteriological Laboratory where chemical analysis and bacteriological examination of Municipal waters is conducted by him.

The Veterinary Staff includes three Inspectors, one Assistant Inpector with a Shalotri who are qualified Veterinary Surgeons and inspect the milch cattle stables in the City and the Municipal Bullocks and are in charge of the Municipal Bullock Hospital and Segregation sheds at Tardeo Flats specially erected for the care and treatment of animals found to be suffering from infectious diseases.

The Vaccination Staff includes, besides the Superintendent and the Assistant Superintendent, one Head Vaccinator and nine other Vaccinators, one head clerk and four subordinate clerks.

The Conservancy and Sanitary Staff, exclusive of the labour staff, consisted in 1917 of:—

3 Chief Inspectors.
8 Sanitary Inspectors.
9 Conservancy Inspectors.
6 House Drain Inspectors.
7 Assistant Sanitary Inspectors.
54 Sub-Inspectors (including 12 House Drain Sub-Inspectors).
1 Halalkhore Inspector.
26 Sub-Inspectors.
5 Sub-Inspectors for the control of sale of adulterated milk.

Prosecutions by the Health Department for infringing license conditions and selling adulterated milk.

904 prosecutions for infringing license conditions and selling adulterated milk were instituted by the Deputy Health Officers, A to G Wards, and in 764 cases convictions were obtained and the parties fined ; in 41 cases the parties were warned and discharged. 5 cases were dismissed and 92 withdrawn ; 2 cases were pending at the close of the year.

Destruction of stray and ownerless dogs.

During the year under notice 5,368 stray dogs were caught ; out of the number 5,137 ownerless dogs were destroyed by carbonic acid gas at the Lethal Chamber provided for the purpose on Tardeo Flats and 231 returned to their respective owners.

Investigation of the Bombay Water Supply by Col. Clemesha.

During the year, the Corporation on the suggestion of the Municipal Commissioner invited Lt.-Col. W. W. Clemesha, M.D., D.P.H., I.M.S., Sanitary Commissioner with the Government of India, to carry out a special investigation of the Bombay water supply and to express an opinion as to the reasons for the results obtained on bacteriological analysis and as to the measures to be adopted to improve the quality of the water when it was unsatisfactory.

Lt.-Col. Clemesha submitted a lengthy report (No. 38/C, dated 13th April 1917) and in the course of my remarks, which were asked for by the Commissioner for the information of the Water Supply and Distribution Committee of the Corporation to whom the question was referred, I observed as follows :—

Col. Clemesha gives his opinion that, judging from the records of previous Cholera outbreaks in Bombay, the disease is chiefly brought to Bombay by the Tansa water owing to the defects in the aqueduct.

He has omitted the most important factors in relation to the spread of the disease, the habits of the people, the storing of water in houses, cisterns and *chatties*, the privies on basket system and the possible pollution of the water in the mains and service pipes.

Whether this is so or not, does not affect the question ; personally I do not agree on this particular point nor do I agree that the arguments used were necessary to emphasise the position ; nor that those arguments are sound.

That the danger does exist as it does in any unfiltered supply, and that the lakes should be protected as the first line of defence, and the water filtered and the method of distribution made safe, have, as Col. Clemesha remarks, been pointed out before and are under the consideration of the Corporation.

The question whether the filtration should be by sand filter or mechanical filter is one for decision after the characteristics of the waters in the lakes have been considered.

I said in my previous reports that properly constructed sand filters would do all that is required for lake waters, as I understand that such water as Tansa is unsuited for mechanical filters. If it is not possible to provide suitable sand or a suitable site and sufficient head of water, the best available method of dealing with the water will no doubt be adopted after the advice of those who have experience in the working of mechanical filters in pure lake waters has been taken.

1. The first thing to be done is to provide a constant supply of water all over the City.
2. To protect the duct and the catchment area of Tansa.
3. To protect the catchment area of Vehar and filter the Vehar and Tulsi water.
4. To protect the main and service and distribution pipes.
5. When these are done, the consideration of filtration of Tansa Lake water can be considered.

The Committee held that almost all of Col. Clemesha's proposals for the improvement of the water supply had already been approved by the Corporation and that the only material difference of opinion between the Municipal Executive Officers and Col. Clemesha was in respect of the measures necessary in connection with the Tansa water supply. They stated that the works in connection with the Ghatkopar Reservoir, the catchment area of the Tansa Lake and the Malabar Hill Reservoir had already been sanctioned by the Corporation and were in progress. They recommended that mechanical filters for filtering the whole of Tulsi water be installed and after practical experience gained of their working and efficiency, proposals be made by the Commissioner for the installation of similar filters for the whole of Vehar water supply. This report dated 20th December 1917 was approved and adopted by the Corporation under their Resolution No. 6903 of 28th January 1918.

Prevalence of Enteric Fever.

In August the Corporation (Resolution No. 3139 of 16th August 1917) requested a report on the alleged increase in the prevalence of Enteric Fever. It was submitted under my No. 936 of 6th November 1917. The following is a resume of it.

In December 1915 I made a full report to the Corporation on the "Prevalence of Enteric Fever in the City". It dealt fully with the history of the disease from 1900 to 1914; that is, with its incidence previous to the Campaign in Mesopotamia. In 1915, 220 cases of Enteric among the civil and 7 among the military came to the knowledge of the Health Department; this is the normal figure.

In 1916, 274 cases occurred among the civil population and 830 among the military imported from Mesopotamia. The increase in the latter dated from July 1916.

In 1917 the cases among the civil population remained normal until June when 74 cases came to the knowledge of this Department among the civil population in that month and 2 among the military.

After June 1917 the number of military Enteric Fever cases was practically *nil*.

In June 1917, 74 cases occurred among the civil population, 43 in July, 43 in August, and 29 in September.

It may be only a coincidence that subsequent to the importation of Enteric cases or Para-Typhoid from Mesopotamia the incidence of the disease rose among the civil population, but it is difficult to trace any connection in view of the widespread prevalence of the disease.

It will be noted that the sudden rise began in June just after the break of the rains and continued until the end of September.

Incidence of Enteric in June, July and August 1917.

The number of cases of Enteric Fever coming to our knowledge among the civil population of Bombay during June, July and August was 160. During the corresponding period of the year 1916 the number was 47, and in 1915, 51.

Distribution by Sections.

The widespread distribution of these cases over the City was remarkable. With five exceptions, namely, Mandvi, First and Second Nagpada, Kamathipura and Sion, Enteric cases were reported from all the 32 Sections of the City.

The Sections which returned the largest number of cases were Girgaum (15), Chowpati (14), Dhobi Talao (13), Byculla (12), Khetwady (11), and Fort North (10). A truer conception of the incidence is arrived at by an examination of the annual rate per 1,000 of population of Sections, by which it will be seen that the highest incidence relative to the population occurs in Fort South (ratio 6·95), Chowpati (ratio 4·91) and Upper Colaba (2·56). It must be remembered that these figures are estimated on the population of 1911 and not on the population of the present day.

The incidence, by communities, having regard to the relative populations of the various communities based on the Census of 1911, is as follows:—

Europeans and Eurasians ...	6·21
Portuguese and Goanese ...	2·42
Parsees ...	1·49
Jews ...	1·21
Hindus ...	·44
Mussalmans ...	·24

If these figures were based on a perfect system of notification or certification of deaths, they would indicate that a European is $\frac{6·21}{·44} = 14$ times more likely to contract the disease than, say, a Hindu. But we know that while notification is the almost invariable rule among

Europeans, it is the exception among the enormous Hindu population, among which in the absence of skilled medical attendance very many cases of Enteric must of necessity pass unrecognised and unnotified during life and perhaps uncertified after death. Nor can it be supposed, in the light of modern knowledge, that Indians enjoy any considerable degree of racial immunity to the disease. On the contrary, owing to the conditions of life, there is every reason to believe that the poorer classes of Hindus and Mahomedans, as pointed out in previous report, do suffer much more than was hitherto supposed. As is inevitable under existing conditions, the great mass of infection remains unrecognized, unnotified and uncontrolled.

Relation of Enteric incidence to privy accommodation.

The majority of cases (52%) were associated with the open system of conservancy but the association is not so marked as has some times been the case. It must be remembered however that the danger of infection from a water-closet varies with the facilities and promptitude with which the infected fæces are removed from the neighbourhood of the house, but if neglected or misused may to a lesser extent become a source of infection and that a water-closet in one's own house does not affect the possibility of infection from a basket privy in one's neighbour's house. The cases occurring in houses with the closed system of drainage is 39 per cent. of the total.

Mortality.

The average mortality among cases in the civil population coming to our knowledge during the period of June, July and August appears very high (50 per cent.); this is largely to be accounted for by the fact that the disease in its milder forms is often unrecognised and unnotified and the severe cases which are recognised and notified give an abnormally high mortality.

The mortality among cases notified by private practitioners is double that of the cases notified by hospitals, which seems to indicate that domiciliary treatment increases the risk of the disease.

Notification.

About 60 per cent. of the cases coming to our knowledge were notified by private practitioners, 19 per cent. by hospitals and 17 per cent. were not notified.

Accuracy of Diagnosis.

The diagnosis of Enteric Fever without the assistance of modern bacteriological methods such as the cultivation of the organism from the blood of the patient, a test which is rarely, if ever, resorted to in civilian practice among the poorer classes in Bombay, is far from easy. On the other hand, it does not seem probable that less dangerous Fevers are often wrongly diagnosed as Enteric, since the average mortality remains so high.

Death certification.

Approximately two-thirds of the total cases were certified by private practitioners; the remainder by hospitals.

Water and Milk supplies.

Samples of water and milk supply in each case have been bacteriologically examined as usual, but in all cases with a negative result as regards the presence of specific organisms.

Conclusions.

Taking into consideration the increase in the population, civil and military, which must be not less than two lakhs, the incidence of disease is not greater during the past three years than it was during the preceding five years.

Careful inquiries are made in each case with a view to discovering the probable source of infection and a special report made and a record kept for future guidance, but only in 10 per cent. of the cases could this information be obtained. In such cases the usual cause is found to be direct infection by attendance on or contact with a previous case, and although advice is always given how to avoid infection together with a supply of disinfecting fluid, it is to be feared that the advice is not always observed with the result that infection of friends and attendants occurs. In the majority of cases (90 per cent.) no cause can be discovered. Such cases are scattered throughout the Island of Bombay and occur independently of any known previous case.

It is highly probable that contaminated food is responsible for these cases, but the precise means by which contamination occurs must be largely a matter of conjecture.

There can, however, be little doubt as to how these cases arise.

In the first place we have every reason to assume that the poorer classes of Bombay, owing to the conditions and circumstances surrounding them, constitute a source of infection which in the absence of notification and skilled medical aid it is impossible to estimate or to control. Secondly, the notified cases themselves may be a source of danger to the community, since it is a well recognised fact that a proportion of recovered cases of Enteric are "carriers," that is to say, their dejecta are liable to contain *Bacillus typhosus* for a period extending over months or even years although their health may have been fully

established. When it is realised that a convalescent Enteric patient may after several months excrete 190,000,000 typhoid bacilli in each gramme of stool, it will not be difficult to understand that such persons are a potential danger to their neighbours, especially in a district largely conserved on the basket system.

It is the practice in the Army to isolate a convalescent Enteric case until the dejecta have by systematic bacteriological examination proved negative.

The connecting link between these two classes, the unnotified cases and the "carriers" on the one hand, and the healthy public on the other hand is commonly assumed to be the common house-fly. The house-fly, although not so prevalent in all parts of Bombay as in the majority of other cities in India and in certain months in the year in every city in the world, is never entirely absent and in many parts of the City, especially in the neighbourhood of sweetmeat shops and stables, flies are present in abundance throughout the year. The habits of house-flies feeding as they do indiscriminately on human excreta and on human food, are a matter of common knowledge and in a City where both lie exposed for flies to settle on as they will, the wonder is that the incidence of Enteric Fever is not much higher than it is.

As pointed out above, the disease is really in all probability far more prevalent than our statistics show, and as notification of the diesease and skilled medical aid among the masses become more general, the unrecognised and unnotified cases will be brought to light and the statistical result of this will be an increased incidence throughout the City.

The house-fly cannot be blamed entirely. House-flies exist in every country and in certain seasons are more in evidence than in others. In England the summer Diarrhœa of children is attributed to the conveyance of an organism in the same way as Enteric. We must go deeper into the question if we wish to get at the cause.

For many years the causes of epidemic of Enteric Fever were supposed to be either:—

(1) Infection by water,
(2) Infection by food, or
(3) Infection by contact.

Infection by water or food produces a morbidity curve characterised by a sudden rise sharper or more elevated according as the pollution has been more abundant. When, however, infection depends on contact, the elevation shows a curve only slightly elevated and often prolonged over many months.

After many years of investigation the conclusion was arrived at that the human body either suffering from Enteric or convalescent from it is the starting point of all Enteric infection and points to the necessity of preventing contact with infection, in other words, searching for and isolating the human host of the bacillus.

Measures necessary for the control of Enteric:—

(1) Early notification of every case of infectious diseases to the Health Department.
(2) Provision of suitable hospital accommodation for infectious diseases.
(3) Abolition of privy basket system and the open system of drainage.
(4) More modern methods and facilities for the collection and removal of refuse.
(5) Protection of food supplies.
(6) The abolition of insanitary houses and areas; reduction of overcrowding and the provision of suitable dwellings for the poorer classes.
(7) Popular instruction to the people on the ordinary elementary principles of sanitation.

At present the Health Department is so to speak working in the dark. Notification must be enforced by all possible means if any headway is to be made, so that early information of disease is forthcoming and steps are taken by education in personal and domestic hygiene to prevent it spreading by direct personal contact; and in the meantime the gradual abolition of the open system of drainage and of the basket privy and the night-soil depôt will help to reduce the amount of infected material; and more modern facilities given for prompt removal of house-refuse and accumulation of manure will help to diminish the breeding places of the house-fly. The situation in a word is this. Until those measures which have been advocated

in previous reports are taken, the incidence of Enteric is not likely to diminish appreciably; on the other hand, we must expect to find an apparent increase in the statistics as notifications become more general.

Improvement of Insanitary Areas and U. H. H. Buildings and Rooms.

As stated at the beginning of the Report, little progress was made during the year towards the improvement of insanitary areas in the City.

Some progress was however made in condemning, under Section 378 of the Municipal Act as amended towards the close of 1916, buildings or rooms in buildings unfit for human habitation. These are condemned with the sanction of the Standing Committee, on a joint certificate of the Executive Health Officer and the Executive Engineer, by prohibiting their further use either absolutely or until such improvements as will render them fit for human habitation have been certified as carried out.

Unwholesome food seized and destroyed by the Health Department Staff.

During the year under report, action under Sections 415 and 416 of the Municipal Act for the seizure and destruction of unwholesome food was continued as in previous years by the staff of this Department and a list of such articles seized and destroyed in the seven Wards of the City is given below :—

A Ward :—168 oranges, 1,69,728 lbs. condensed milk, 61 lbs. cheese and three ox tongues.

B Ward :—795 mangoes, 27 plantains, 55 water melons, 40 guavas, 6 bags almonds, 200 bags betel-nuts, 200 bags Indian spices, and 300 bags kopra (cocoanuts).

C Ward :—24 basketsful of potatoes and onions, 150 limes, 200 plantains, 3 baskets of custard apples.

D Ward :—4 bananas, 7 melons and 561 mangoes.

E Ward :—996 fruits of different kinds and 258 lbs. meat.

F Ward :—5,203 lbs. contraband meat, 30 lbs. fish, 100 lbs. Indian sweets, and 150 lbs. fruits.

G Ward :—47 plantains and 18 oranges.

Work of the Department—Appreciation.

During the year, my Senior Assistant Dr. Goldsmith went on about fifteen months' combined leave out of India from 9th March, and to replace him the Government of India were, on the representation of the Municipal Commissioner, kind enough to lend the services of Capt. E. S. Phipson, D.S.O., M.B., B.S., M.R.C.S., D.P.H., I.M.S., who assumed charge on 10th April 1917. Capt. Phipson's assistance has been of great value especially in dealing with investigations into local outbreaks of infectious diseases, inquiries and reports on the condition of Hotels in the City and many other questions affecting the health of the City.

My Junior Assistant Dr. Sorab C. Hormusjee was on combined leave from 3rd April to 30th July.

Dr. K. B. Shroff and Dr. Godinho acted as my Senior and Junior Assistants.

Chief Inspector Underdown joined the I. A. R. O. in May, and several other members of the out-door staff were required to attend drills and parades under the I. D. F. Act. The work of the Department was nevertheless carried on very satisfactorily. It has, in some way, been a very trying year for all concerned and a great deal of work has been done and the out-door staff has worked well.

Dr. Sorab has, as usual, efficiently supervised the work in E, F, and G Wards and assisted me greatly.

The Malaria Branch has continued to work efficiently as will be seen from Dr. Shroff's report.

The Arthur Road and Maratha Hospitals under Dr. Choksy have maintained their character and the Municipal Laboratory and Vaccination Department have carried out their work successfully.

The work of the clerical staff has increased and Mr. N. S. Kowshik and Mr. Nagindas Jamnadas have, as usual, performed their arduous duties to my entire satisfaction.

PUBLIC HEALTH DEPARTMENT,
MUNICIPAL OFFICES,
Bombay, 21st May 1918.

J. A. TURNER, M.D., D.P.H.,
Executive Health Officer.

Report of the Arthur Road Hospital for the year 1917.

I.—Administration.

1. *Changes in the Staff.*—Dr. F. Lobo acted for me during my absence on privilege leave. Mrs. Broad was retransferred to the Maratha Hospital, and Miss Mullen was appointed as Nurse in her place.

II.—General Statistics.

2. The total number of admissions was 958 as compared with 1,864 and 878, in 1916 and 1915, respectively. The maximum number treated on any particular day was 96, on 8th May, as compared with 238, on 27th March 1916.

3. The Hospital received all classes of cases as usual; the number of admissions from Small-pox was 429 as compared with 1,142 in the previous year. Chicken-pox admissions numbered 118 against 130; Measles 81 against 35, and Cholera 42 against 118. The following table shows the details of admissions, deaths, recoveries and case mortality rate among the above:—

Diseases.	Admissions.	Deaths.	Recoveries.	Case-mortality rate per cent.
Small-pox	429	79	350	18·41
Chicken-pox	118	.....	118	.....
Measles	81	2	79	2·46
Cholera	42	15	27	35·7
Erysipelas	10	1	9	10·00
Relapsing Fever	7	1	6	14·28
Plague	2*	...	.....	.....
Observation cases...	269	48	221	17·84

* Transferred to Maratha Hospital.

4. *Military Patients*—Indian troops and followers on their way to and from active service from overseas suffering from various infectious diseases were treated during the year. They numbered 78 patients as compared with 373 in 1916. They comprised the following acute infectious diseases:—

Diseases.	Admissions.	Deaths.	Recoveries.
Small-pox	9	2	7
Chicken-pox	18	....	18
Measles	19	....	19
Erysipelas	4	....	4
Cerebro-Spinal Meningitis	11	....	11
Diphtheria	1	....	1
Relapsing Fever	5	....	
Observation cases	11	....	11

All the cases of Cerebro-spinal meningitis and the diphtheria case were convalescent. The rest of the patients were suffering from acute illness on admissions. The fees recoverable from Government for their treatment amounted to Rs. 2,179-8-0 as compared with Rs. 5,886 in 1916 and Rs. 1,359-12-0 in 1915.

III.—Small-pox.

5. The incidence of Small-pox was fairly high from March to June, when 65, 67, 85 and 61 admissions were registered. It was comparatively low in January and February as also July and December. From August to November there were only 30 admissions. The rate of mortality was slightly lower than in 1916, being 18·41 against 19·35.

IV.—Vaccinal Condition of Small-pox Patients.

6. The mortality rate amongst the vaccinated and unvaccinated patients exhibited the same marked differences as in the previous years. The vaccinated lost at the rate of 12·39 per cent. as compared with 26·66 per cent. unvaccinated.

V.—Vaccinal Condition of Children under 10 Years of age.

Year 1917.	Vaccinated.				Unvaccinated.			
	Admitted.	Died.	Recovered.	Case-mortality rate per cent.	Admitted.	Died.	Recovered.	Case-mortality rate per cent.
1 to 6 months	...	...	...	...	7	3	4	42·8
7 to 12 „	...	...	...	...	8	6	2	75·0
1 to 5 years	15	...	15	...	31	7	24	22·5
6 to 10 „	28	5	23	17·8	24	4	20	16·6
Total ...	43	5	38	11·6	70	20	50	28·5

The foregoing table shows an enormous difference between vaccinated and unvaccinated children, the former with a case mortality 11·6 as compared with 28·5 among the latter.

VI.—Cholera.

7. The total number of cholera admissions was 42 only as compared with 118 in 1916. There were 11 admissions in July, 13 in October and 7 in December. From February to May there were no admissions and during the rest of the year they averaged from 2 to 3. The fatality was slightly higher than last year—35·71 as against 33·89.

The disease presented no special features. Bacteriological examination of the stools was made in all cases at the Parel Laboratory as also by the Municipal Analyst, with the following results :—

	Parel Laboratory.		Municipal Analyst.	
	+	−	+	−
Recoveries	10	20	12	20
Deaths	9	10	8	13

8. The Hospital Nursing staff worked diligently and with zeal ; the Resident Hospital Assistant Mr. DeSilva was indefatigable as usual ; Messrs. Bhawsar, Kale and Noronha were energetic in their duties.

Bombay, Arthur Road Hospital,
22*nd April* 1918.

N. H. CHOKSY, M.D., F.C.P.S.,
Special Assistant Health Officer.

Report of the Maratha Plague Hospital for the year 1917.

I.—Administration.

I continued in charge throughout the year except for a month and twenty days when Dr. J. F. Lobo acted for me during my absence on privilege leave.

Senior Nurse Mrs. Barr having retired from 1st April, Miss Guidera was appointed in her place. Mrs. Broad, who was working at the Arthur Road Hospital, was retransferred, and Miss Fenton was appointed as the third nurse on 1st March 1917. On Miss Guidera's volunteering for war service, Mrs. Broad was appointed senior nurse from 22nd May 1917. One post thus remained vacant; it was not filled up owing to the work being light, the two Hospital Assistants dividing between them the duties of the third nurse.

II.—General Statistics.

2. The total number of admissions was 797 as compared with 883 in 1916 and 161 in 1915.

3. The principal admissions were 476 from Plague, 171 Mumps, 143 Observation cases, 6 Cerebro-Spinal Meningitis and one Jigger. During 1916, there were 411 admissions from Plague, 144 from Mumps, 16 from Chicken-pox, 57 from Jigger, 29 Measles and 165 Observation cases.

4. The following statement shows the details of admissions, deaths, recoveries and case mortality rate among the above:—

Diseases.	No.	Died.	Recovered.	Case mortality per cent.
Plague	476	359	117	75·4
Mumps	171	1	170	0·05
Cerebro-Spinal Meningitis	6	5	1	83·3
Jigger	1	..	1	....
Observation cases	143	24	119	16·78

5. Military patients.—Troops and followers numbering 220, from India and over seas were treated during the year, as compared with 186 in 1916. The details of admissions from various diseases, deaths and recoveries are as under:—

Diseases.	No.	Died.	Recovered.	Case mortality per cent.
Plague	7	3	4	42·85
Mumps	171	1	170	·05
Jigger	1	...	1	...
Observation cases	41	...	41	...

The charges recoverable from Government for the treatment of the above patients amounted to Rs. 5,440-8-6 as compared with Rs. 4,000-8-0 last year.

The Observation cases for general diseases numbered 143 with 24 deaths and 119 recoveries, equivalent to a case-mortality rate of 16·78.

6. There was a rather sudden jump in the admissions from Plague in 1916 to 411 as compared with 135 in 1915 which was the lowest number recorded since the outbreak of plague in 1896. During the year under report, there was a slight rise, *viz.*, to 476. The case-mortality rate however has varied but very slightly during the last 17 years during which it has oscillated between 71 and 77 per cent. except in 1902 and 1909 when it was higher—81·55 and 80·26, respectively. This indicates that in spite of the lower incidence of prevalence, the virulence of the disease has not declined to any appreciable extent and that the fearful toll which it exacted in early days still remains undiminished.

III.—The Treatment of Plague by Colloidal Preparations.

7. Further observations on a more extended scale were made during the year in the treatment of plague by colloidal preparations. The procedure adopted was the same as that for the observations on serum treatment by the Plague Research Commission, *viz.*, to exclude all the moribund and semi-moribund patients, as also all whose duration of illness was 6 days and over, and to treat only the most acute cases during the first 5 days of illness. In this way from the total admissions of 476,252 were not treated as they appeared to be clinically too far advanced; 52 were excluded as they comprised cases of and over 6 days as also convalescent and semi-convalescent cases and some mild cases. Thus there remained 172 cases for treatment with the colloidal preparations. The results of the above treatment may be summarised on the whole as under :—

	No.	Died.	Recovered.	Case-mortality rate.
Rejected cases :—				
* (*a*) Clinically unfit	252	229	23	90·8 per cent.
(*b*) Late, convalescent, &c.	52	27	25	51·9 „
Cases treated by Colloidal Preparations.	172	103	69	59·8 „

It thus appears from the foregoing table that the inclusion of late cases would have modified the results, in favour of the colloidal treatment, whereas the inclusion of rejected early cases would have adversely affected the results, and therefore the method adopted was the one best calculated to exhibit the actual benefit derivable from any line of treatment. The lower mortality rate of the late cases 51·9 and the higher mortality rate of the unfit cases clearly demonstrate the value of the method.

8. Adding the 16 cases treated during 1916, the results under treatment by the various colloidal preparations stand as under:—

	No.	Died.	Recovered.	Case-mortality rate.
* Collosol Hydrargyrum ...	21	15	6	71·4 per cent.
* Collosol Argentum ...	85	52	33	61·1 „
* Collosol Iodine	51	28	23	54·9 „
Iodeol	31	20	11	64·5 „

As the number of cases is not equally divided between the above preparations any conclusion with regard to their relative efficacy is not possible; the results should therefore be considered tentative pending a larger number of observations. The broad fact however that emerges from the above is that treatment by Colloidal preparations does exhibit a slightly better rate of recovery even than that obtained from serum treatment under approximately identical conditions. The serum treated cases as observed by the Plague Research Commission numbered 222 with a case-mortality rate of 66·2 per cent., whereas in an equal number of controls it was 73·9 per cent. The colloidal treated cases show a still lower mortality rate, *viz.*, 61·5 per cent. If further observations confirm these results, the conclusion that could be drawn, would be—that Colloidal preparations have greater efficacy in the treatment of plague than even Anti-pest serum. The benefit is however confined to sterile cases only in as much as the observations of the Plague Research Commission have shown that all the highly septicæmic cases († † and † † †) invariably succumbed in the serum and the control groups, and further that cases with slight septicæmia (†) were not influenced by the serum treatment inasmuch as the rate of mortality under the serum treated and control cases was exactly equal, *viz.*, 74·5 per cent. It is therefore obvious that whatever the benefit that accrued from the serum treatment was confined solely to sterile cases. Similarly it is but reasonable to conclude that the benefit that has accrued in the above observations has been restricted to such cases only.

* These also include some cases that were not treated owing to the colloidal preparations being temporarily not available.

† Made by Crooke's Laboratories, Crookes Collosols, Ld., London.

N. H. CHOKSY, M.D., F.C.P.S.,
Special Assistant Health Officer,
In charge Maratha Plague Hospital.

Maratha Plague Hospital,
22*nd April* 1918.

Report on Malaria Operations for the year 1917.

I have the honour to submit this Sixth Annual Report on the Anti-Malarial Work done during the year ended 31st December 1917.

2. Measures for gauging the incidence of Malaria were continued during the year.

3. *Examination of Spleen*:—Visits were paid in poor class houses and chawls, charitable institutions and orphanages, and children were examined for spleen. The results are embodied in the following table:—

Ward.	Section.	Total No. of children examined.	No. with enlarged spleen.	Percentage by Sections.	Percentage by Wards.
A	Colaba (Upper) ...	...	...	...	4·63
	Middle & Lower Colaba ...	192	2	1·04	
	Fort Southern ...	38	...	0·00	
	Fort Northern ...	676	42	6·21	
	Esplanade ...	905	40	4·41	
	Total ...	1,811	84	4·65	
B	Mandvi ...	596	14	2·34	2·81
	Chukla ...	248	9	3·62	
	Umarkhadi ...	310	7	2·25	
	Dongri ...	168	6	3·57	
	Market ...	166	6	3·61	
	Total ...	1,488	42	2·82	
C	Dhobi Talao ...	562	22	3·91	3·78
	Fanaswadi ...	68	1	1·47	
	Bhuleshwar ...	...	...	...	
	Khara Talao ...	...	...	...	
	Kumbharwada ...	453	18	3·97	
	Total ...	1,083	41	3·78	
D	Khetwady ...	111	1	0·9	2·3
	Girgaum ...	114	3	2·63	
	Chowpati ...	351	9	2·53	
	Walkeshwar ...	105	4	3·8	
	Mahalakshmi ...	143	2	1·39	
	Total ...	824	19	2·3	
E	Mazagon ...	772	35	4·53	4·59
	Tarwadi ...	1,040	56	5·38	
	2nd Nagpada ...	64	1	1·56	
	Kamatipura ...	217	6	2·76	
	Tardeo ...	579	28	4·83	
	Byculla ...	617	25	4·05	
	1st Nagpada ...	82	4	4·87	
	Total ...	3,371	155	4·59	
F	Parel ...	298	...	0·00	0·14
	Sewri ...	...	...	...	
	Sion ...	378	1	0·26	
	Total ...	676	1	0·14	
G	Mahim ...	569	...	0·00	0·00
	Worli ...	985	...	0·00	
	Total ...	1,554	...	0·00	
	Total ...	10,807	342	3·16	
	Outside Bombay ..	...	...	...	
	Grand Total ...	...	...	...	...

4. It will be seen from this that the spleen rate is under seven per cent. in all sections of the city.

5. *Fort North and Esplanade sections* also show a good reduction in the spleen rate:—

Sections.	1909.	1913.	1915.	1916.	1917.
Fort North ...	49·44	15·27	10·19	5·36	6·21
Esplanade ...	73·88	15·65	7·52	9·71	4·41

6. Tarwadi, which is very low-lying, has a spleen rate of 5·38 as compared with 13·94 last year.

7. The spleen rate for the *whole city* was 3·16 against 4·09 in 1916.

8. The following table shows *the spleen rate by castes* in 1917 as compared with the preceding two years:—

Castes.	Total No. of children examined in 1917.	No. with enlarged spleen.	Percentage.		
			1915.	1916.	1917.
Hindus	9,268	267	2·53	4·22	2·88
Mahomedans	857	30	2·69	3·52	3·5
Parsees	386	23	7·71	5·26	5·95
Christians	214	15	5·66	4·04	7·00
Jews	82	7	3·41	0·00	8·53
	10,807	342	.....	....	....

9. The *Schools Committee* appointed Medical Inspectors to examine children attending the Municipal Schools. The result of the examination for spleen from March 1917 to December 1917 was as under:—

Number examined.	Number with enlarged spleen.	Percentage.
6,688	251	3·84

10. *Random sampling*:—The parasite rate by wards and sections was as under:—

Ward.	Sections.	Month.	No. examined.	Parasites found in.	Percentage.
A	Fort North	January	103	0	
	Esplanade	January and May ...	195	2	
B	Mandvi	July	30	0	
C	Dhobitalao	„	103	0	
	Fanaswady	„	8	0	
D	Khetwadi	November	64	0	
	Girgaum	„	75	0	
	Chowpati	February	103	0	
E	Mazagon.	April and September ...	117	2	
	Tarwadi	March, June, September and November.	221	3	
	Byculla	March and November...	116	0	
	Tardeo	October	54	1	
	Total ...		1,236	8	0·64

11. The *District Registrars* sent 21 specimens of blood of patients suffering from Malarial Fevers, and parasites were detected in one only giving a percentage of 4·76.

12. The result of the spleen and parasite rates of the *temporary C. I. Trust Chawls near Carnac and Paltan Roads* was as under:—

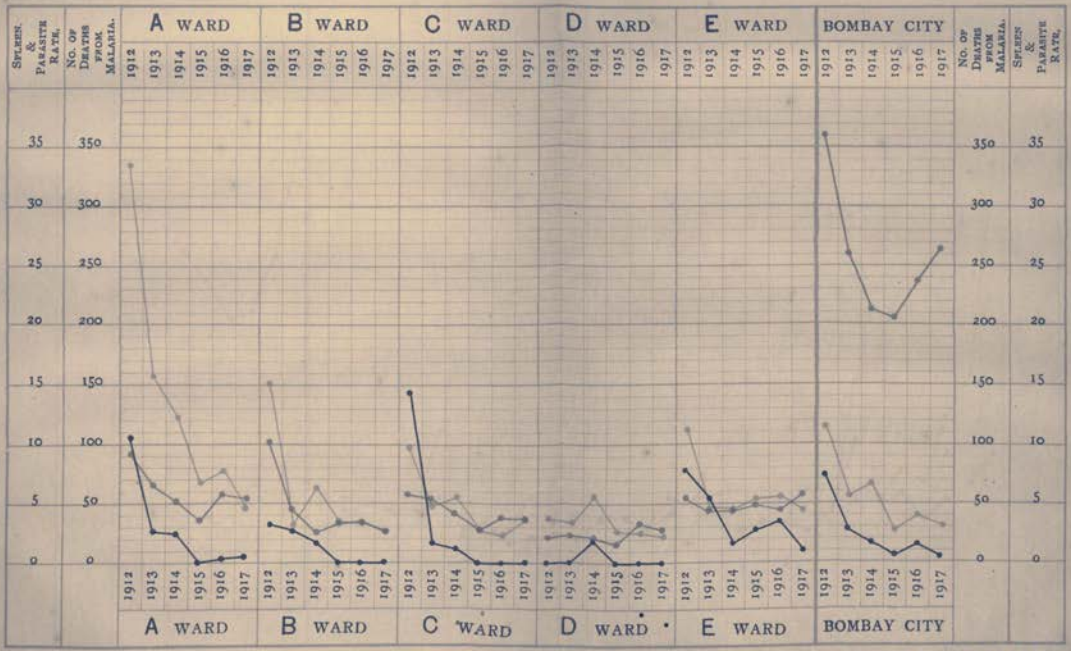
——	1909.	1912.	1913.	1914.	1915.	1916.	1917.
Spleen rate	56	36·00	18·01	14·89	8·33	8·42 May.	4·32
Parasite rate	40	19·17	3·12	4·44	1·17	13·58 Dec.	2·10

13. *Mortality from Malaria.*—The total number of deaths from Malaria during the year was 263 against 238 in the preceding year. Out of these 263 deaths, 37 were in the different War Hospitals, 37 were amongst the homeless, 5 were imported deaths (*i.e.*, came from outside suffering from acute Malaria and died within 15 days) and 6 were in the harbour.

Thus there were 178 deaths in the city proper. The death-rate was ·26 against ·24 in 1916.

DIAGRAM

SPLEEN AND PARASITE RATES AND DEATHS FROM MALARIA IN "A" TO "E" WARDS & IN THE WHOLE CITY FROM 1912 TO 1917.



SPLEEN RATE

PARASITE RATE

DEATHS FROM MALARIA

SHRI HANUMESH PRINTING PRESS, BOMBAY No. 1.

14. The following table shows at a glance the spleen and parasite rates and Malarial mortality by wards for the last six years :—

Ward.	Spleen Rates.						Parasite Rates.						Mortality from Malaria.					
	1912.	1913.	1914.	1915.	1916.	1917.	1912.	1913.	1914.	1915.	1916.	1917.	1912.	1913.	1914.	1915.	1916.	1917.
A ...	33·50	15·87	12·32	6·95	7·83	4·63	10·54	2·98	2·51	0·76	0·37	0·67	91	65	51	37	58	55
B ...	15·03	8·18	6·31	3·45	3·37	2·81	3·01	2·89	1·42	0·00	0·00	0·00	101	47	25	32	32	26
C ...	9·99	4·89	5·50	2 91	2·38	3·78	14·14	1·68	1·38	0·00	0·00	0·00	58	53	42	28	39	38
D ...	8·90	3·41	5·77	2·81	2·55	2·3	0·00	0·00	1·86	0·00	0·00	0·00	22	24	22	18	34	29
E ...	11·40	4·96	4·56	5·26	5·54	4·59	7·97	5·45	1·58	2·89	3·41	1·07	56	47	45	50	46	57

15. *Chemical Analysis of Water.*—53 samples of well water were chemically analysed by the Municipal Analyst; out of these six were found fit for potable purposes, 9 fair and the remaining 38 unfit.

16. *Quinine Distribution.*—Free distribution of *Quinine Hydrochloride Tablets* was continued. The District Registrars, Sub-registrars, nurses, lady health visitors, Malaria Inspectors and Sub-inspectors distributed the tablets by house to house visits specially during the fever season. The quantity thus distributed was:—

Grain II ... ... tabloids 6,800
Grain IV ... ... tablets 9,420

17. 1,167 ounces of *quinine sulphate powder* was supplied to the ten Municipal Dispensaries and the two Infectious Diseases Hospitals.

18. The *sale of quinine in pice packets* (10 grains in each packet) at Post Offices in the City of Bombay was sanctioned by Government Order, General Department, No. 4499-W, dated 30th June 1916; effect to this order was given on 7th February 1917.

19. Under General Department Order No. 7660 of 1st November 1917 the following *Press Note re Quinine* was issued:—

"Owing to the immense rise in the wholesale price of quinine during recent "years on account of the war, Government are compelled to raise temporarily the "retail price of quinine powder and 'treatment' sold through their agency. They "are therefore pleased to direct that the retail price of each packet of 10 grains "quinine powder should be raised from 1 pice to 2 pice and that of a parcel of 'treat-"ments' containing 200 tablets which is now sold at Rs. 1-7-0 per parcel to Rs. 3. "Under the old rates retail dealers were authorised to sell the tubes at 3 annas each "thus making a profit of 7 annas per parcel. In view of the increase in the price of "the parcel the retail dealers may now sell the tubes at 6 annas each thus making "a profit of 12 annas per parcel."

20. 797 *specimens of Anopheles larvæ* were examined in this office and tabulated as under:—

Neocellia stephensi	140
Nysso-Myomyia rossi	750
Nyssorhynchus jamessi	4
Myzorhynchus barbirostris	39

21. *Malabar Hill Reservoir and Filters* :—New concrete covers have been provided to four old filters. The three new ones were already similarly covered, when they were built. The work of covering the reservoirs is under consideration.

22. The filters of the *Bhandarwada Reservoir* breed off and on larvæ of *Neocellia stephensi.*

23. *Victoria Gardens* :—

(*a*) All the 105 small masonry tanks (garden tanks) which were below ground level, were filled in and brought above ground level, their bottoms cemented and sloped, and provided with a hole and stopper so that they can be easily cleaned every 5 or 6 days.

(*b*) The well has yet not been protected.

(*c*) The ponds in the Victoria Gardens are still breeding larvæ of Anopheles and Culex mosquitoes.

24. *Wadalla Dye pits—tanks and quarry holes.*—Out of 22 such places, 7 pits were filled in and the remaining are under action.

25. *Sewri wells.*—On Sewri Cross Road in close vicinity of the new quarters recently provided by the Bombay Port Trust for their employés, there are 21 wells, out of which 3 have been filled in, 2 hermetically covered, 4 covered with trap doors, 10 are under fish trial and in 2 cases work is to be done by the Municipality.

26. The following table shows the number of wells protected upto 31st December 1917 :—

Ward.	Section.	Total No. of wells.	No. of wells filled in.	No. of wells hermetically covered.	No. of wells hermetically covered and hand pumps fixed.	No. of wells covered with Trap-doors.	No. of wells covered with trap-doors and hand-pumps fixed.	Wells under fish trial.	Wells under correspondence.	Work to be done by Municipality.	Under Notice.	In Court.	Not breeding.	Total No. of Cisterns.
A	Upper Colaba..	65	25	10	3	20	3	2	..	..	..	..	2	1,113
	Middle and Lower Colaba													
	Fort, Southern.	54	19	18	7	5	4	1	..	..	..	..	..	501
	Fort, Northern.	542	93	129	9	271	9	18	1	1	..	..	11	438
	Esplanade ..	71	16	18	6	18	10	..	1	..	..	..	2	1,468
	Total ..	732	153	175	25	314	26	21	2	1	..	..	15	3,520
B	Mandvi ..	76	18	8	7	29	9	2	3	..	..	..	1	320
	Chukla ..	78	29	22	9	11	3	1	3	..	..	..	..	158
	Umarkhadi ..	49	21	13	3	9	2	1	..	..	..	..	..	175
	Dongri.. ..	14	10	..	2	..	1	1	..	..	..	..	..	147
	Market ..	279	21	73	36	104	23	3	12	..	..	..	7	454
	Total ..	496	99	116	57	153	38	8	17	..	..	..	8	1,254
C	Dhobi Talao ..	411	36	76	19	237	17	12	..	..	..	..	14	290
	Fanaswadi ..	253	20	29	10	118	24	27	1	..	..	..	15	272
	Bhuleshwar ..	174	18	36	12	56	17	8	1	..	..	..	26	131
	Khara Talao...	11	4	1	2	3	..	1	..	..	..	..	..	52
	Kumbharwada..	48	12	9	7	17	..	3	..	..	..	..	..	44
	Total ..	897	90	151	59	431	58	51	2	..	..	..	55	789
D	Khetwadi ..	233	49	51	19	85	10	5	5	..	..	..	9	501
	Girgaum ..	332	52	79	14	140	23	6	..	..	..	..	18	161
	Chowpati ..	151	42	34	12	41	13	5	3	..	..	..	1	414
	Walkeshwar ..	136	31	11	10	41	12	5	5	..	..	..	21	844
	Mahalakshmi ..	140	32	19	10	39	8	7	10	..	..	..	15	769
	Total ..	992	206	194	65	346	66	28	23	..	..	..	64	2,689
E	Mazagon ..	100	30	10	7	26	5	5	13	..	..	..	4	290
	Tarwadi ..	116	24	22	7	36	8	4	7	1	1	..	6	731
	2nd Nagpada..	8	1	3	4	..	..	..	..	..	..	..	..	119
	Kamathipura ..	9	4	4	1	..	..	..	..	..	..	..	..	154
	Tardeo ..	34	6	8	2	14	2	1	..	..	..	..	1	414
	Byculla ..	83	44	10	8	12	5	..	3	..	1	..	..	628
	1st Nagpada...	2	1	1	..	..	..	..	..	..	..	..	..	121
	Total ..	352	110	58	29	88	20	10	23	1	2	..	11	2,457
F	Parel ..	95	21	6	1	5	2	8	4	..	..	..	48	309
	Sewri ..	112	7	2	1	7	2	12	2	2	2	1	74	155
	Sion ..	325	20	1	1	11	4	28	..	5	2	..	253	195
	Total ..	532	48	9	3	23	8	48	6	7	4	1	375	659
G	Mahim ..	546	24	0	2	5	..	92	40	..	1	..	372	24
	Worli ..	363	22	5	3	5	..	69	25	2	1	1	231	339
	Total ..	909	46	14	5	10	..	161	65	2	2	1	603	423
	A-E. Wards Total.	3,469	658	694	235	1,332	208	118	67	2	2	..	153	10,709
	Grand Total ..	4,910	752	717	243	1,365	216	327	138	11	8	2	1,131	11,791

27. The big tank in Chinchpoogli belonging to Mr. Kadwani was filled in.

28. The following is a list of *big tanks protected or filled in* by Wards:—

Ward.	Tanks filled in.	Covered over.	Open.
A.	1. Big masonry under ground tank in Watson's Annexe. 2. Forbe's Ice Factory.	Nil.	1. Mint tank. 2. Nathoda tank.
B.	Nil.	Nil.	Mumbadevi tank.
C.	1. Dhobitalao Tank. 2. C. Patel Tank. 3. & 4. Two tanks in Thakordwar temple compound. 5. Shanker Sett's compound (Old Girgaum swimming bath).	Vithoba tank.	1. Bhuleswar Tank. 2. Bhagirthi Tank. 3. Tank in Maharaja's compound in Bhuleshwar.
D.	1. Gowallia Tank. 2. Shanker Sett's temple compound tank, Tardeo Road. 3. Chabildas Tank, Nepean Sea Road. 4. Isa Alli's tank, Grant Road.	1. Powalla's compound, Khetwady 10th Lane. 2. Gamdevi temple tank.	Mahaluxmi temple tank.
E.	1. Mustan tank. 2. Nawab's „ 3. Nanabhoy tank. 4. Tank in Lady Northcote Orphanage. 5. Piroo Mahomed Oil Mill tank. 6. Motabhoy tank in Byculla. 7. Adenwalla's tank, Tardeo Road. 8. Byculla cotton cleaning factory tank. 9. Kadwani's tank.	1. Mukba's tank on Parel Road. 2. Hansraj Lane temple tank. 3. Ghorupdeo temple tank.	Surya Kund tank.

29. The three *Government wells* in the maidan were covered over with concrete with trap doors.

30. The following table shows the *number of prosecutions* for wells and tanks only. instituted during 1917 only and their results :—

No. of cases.	No. complied with and withdrawn.	No. convicted.	Amount of fine.	Remarks.
129	105	22	297	2 postponed.

31. Action for filling in *low-lying plots of ground* was pressed and several large pieces of low land were filled in in E, F and G Wards.

32. The following table shows the work carried out by the Executive Engineer in connection with *private wells and tanks out of the Government Grants.*—

Ward.	Situation of the well.	Nature of work carried out.
A.	1. 5, 1st Koli Lane	Hermetically covered with concrete and hand pump fixed.
	2. 16-18, Nanabhoy Cross Lane	Filled in.
	3. 39, BB., Ketridge Road	Do.
B.	71, Dhunji Street	Wooden cover and wire gauze trap door.
C.	522, Parel Road	Concrete cover and wire gauze trap door.
	1-4, Ardeshir Dady Cross Lane	Concrete cover and wire gauze trap door and hand pump fixed.
	39, New Wady	Concrete cover and wire gauze trap door.
	10, Sonapur Street	Do. do.
D.	92-(4), Thakurdwar Road	
E.	13-17, Nawab Tank Road well...	Filled in.
F.	559-559A, Sewri Cross Road	Hermetically covered with concrete and hand pump fixed.
G.	189, Worli Pakhady	Filled in.
	21, Worli Koliwada	Do.
	(at the joint expense of two-thirds out of Government grant and one-third from the party).	

33. The following further *Municipal wells and tanks* were filled in or covered over during the year :—

Nanabhoy Tank, Nawab Tank Road... ... ... Filled in.

Well in 16/18, Nanabhoy Cross Lane ... ... Do.

34. *Government Grant* :—A grant of Rs. 15,000 was sanctioned by the Bombay Government for Anti-Malarial measures in Bombay City during the year 1917-18 in addition to Rs. 35,000 paid in previous years.

35. *Mosquito campaigns* were held in different sections of the City and many wells were detected with trap doors wide open and covers in non-mosquito proof condition. Fresh action had therefore to be taken in such cases.

36. Similarly many fresh actions had to be taken for *cisterns* which were once properly covered and now rendered non-mosquito proof.

37. In order to avoid a lengthy correspondence for filling in holes, chinks, etc., in the covers and trap doors provided over wells, the Malaria staff was supplied with *cement and oil* to fill in small holes whenever necessary both in wells and cisterns.

38. As *gully traps* attached to drains constantly breed larvæ of mosquitoes, steps were taken to protect them by cast iron covers on hinges. In all 531 gully traps were protected in Fort North, Esplanade and Walkeshwar sections.

39. In nine places in Esplanade Section, A Ward, there were big *catch pits* for storm-water containing a large quantity of water and which always were breeding mosquitoes. Action was therefore taken in consultation with the Drainage Engineer to do away with these catch pits and "*to make storm-water drain discharge directly into the gully trap*" which were covered over with an iron grating during the monsoon and sealed with a solid cast iron cover on hinges in the dry weather.

40. *Cellars*:—The last monsoon was quite abnormal, there being nearly 100 inches of rain, and lasting upto the month of October. During this period of heavy rain many cellars in Esplanade were flooded and acted as breeding places of mosquitoes. The cellars in—

(1) Royal Bombay Yacht Club,

(2) Carlton House,

(3) Telephone Building,

(4) Tata's Palace,

(5) Forbes Building,

were flooded to a very great extent, especially the first three which had no pumping arrangements.

41. During the monsoon the following *notification* was published in the papers:—

"At this season, the places where mosquitoes breed are enormously increased owing to accumulation of water. These are as far as possible attended to by the Malaria staff but it is impossible to control every accumulation of water. Owners and occupants can assist very much by attending to breeding places in their houses and compounds. We have many complaints about the prevalence of mosquitoes and find on inspection that very often this is due to accumulation of water inside the house, flower vases, etc., and these should be emptied daily, and the antiformicas placed under the food cup-boards should be treated with disinfectants or kerosine oil and cleaned regularly. Gully traps are prolific breeding places and should be treated with oil pesterine and all empty tins collected and put in the refuse bins."

42. The following table shows the number of *Malaria cases* admitted and number of *deaths in the different war hospitals* during the last two years:—

1916 Admission.	1916 Deaths.	1917 Admission.	1917 Deaths.
3,284	22	3,544	37

43. There was no change in the inspectorial staff except that one Malaria Inspector was transferred to the permanent staff of the Health Department and another qualified medical man was appointed in his place.

44. The Malaria staff both clerical and outdoor worked satisfactorily.

45. Statement showing the summary of work done during 1917 and also from the beginning upto the end of December 1917.

Particulars.	1917.	Total from the year 1912 upto 31st December 1917.
Number of wells filled in	66*	752
Number of wells hermetically covered	22*	960
Number of wells covered with trap doors	51*	1,581
Number of houses inspected by the staff (including repetitions).	198,202	1,147,411
Number of notices issued *re*: cisterns, etc.	476	3,164
Number of cisterns hermetically covered	3,244	11,791
Number of children examined for spleen	10,807	96,183
Number of blood slides examined	1,236	8,057
Number of larvæ samples classified	797	9,282
Number of lectures delivered	1	30
Quantity of quinine distributed	16,220	174,570
,, ,, Grains II	6,800	53,500
,, ,, Grains IV	9,420	121,070
Number of pools treated with pesterine	27,403	176,049
Number of odd receptacles removed	14,993	37,223

*33 wells, which were hermetically covered before, were filled in by the owners of their own accord and eight wells that were so covered up were provided with trap doors during the year.

K. B. SHROFF, L.M. & S., D.P.H., D.T.M.,

Special Assistant to the Health Officer,

Malaria.

Report of work done in the Municipal Laboratory during 1917.

General.

During the period under report, 4,850 samples were examined (1,694 chemically and 3,156 bacteriologically‡). The following is a brief summary of the work :—

Chemical.

Total number of samples examined 1,694.

The chemical analysis includes the following :—

(*a*) Examination of foodstuffs of various kinds.

(*b*) „ „ public water supply and other water samples.

(*c*) „ „ drugs and disinfectants.

(*d*) „ „ urine for diagnostic purposes.

(*e*) „ „ miscellaneous samples.

(*a*) *Foodstuffs.*

The total number of foodstuffs examined was 839 as detailed below :—

Foodstuff.	Genuine.	Fair.	Not genuine.	Doubtful purity.	Poison.	Total.
Milk	320	...	288	7	...	615*
Ghee	1	...	...	...	...	1
Oil	15	4	...	...	...	31**
Bread	...	1	...	...	...	1
Flour	23	...	...	...	...	23
Tea	2	2	...	...	1†	5
Coffee	...	3	1	...	...	4
Sardines	...	...	...	...	1†	1
Aerated water	...	...	...	...	...	1§§
Cooked food	...	...	...	...	...	1§
Total	361	10	284	7	2	683

Add.—

Samples for Foodstuff Standards 6
Samples in connection with Research work, Butter, Ghee and Milk... 150
Total ... 839

‡ = Examination for each kind of microbe being reckoned as one sample as usual.

* Includes five samples other than Municipal; four samples were examined for preservatives, which were detected in one sample only.

** Includes 12 samples examined for the Municipal Storekeeper for comparison with standard samples of oil.

† Not detected.

§ Wholesome.

§ § Water used for its manufacture, is fit for potable purposes.

Milk for legal purposes.

610 samples were examined for legal purposes, of which 320 samples were found to be adulterated with water, giving a percentage of 46·9 for adulterated samples as compared to 35·5 per cent. in 1916. The amount of extraneous water varied from 4·5 per cent. to 72 per cent. as compared to 5 per cent. to 68 per cent. in 1916. Legal proceedings were taken in 261 cases and the offenders were punished in 215 cases; the fines imposed by the Magistrates ranged from Re. 1 to Rs. 100, the samples according to wards being divided as follows :—

Wards.	No. of prosecutions.	No. of successful prosecutions.	Total amount of fine.	Remarks.
			Rs.	
A ..	22	21	410	1 withdrawn.
B ..	15	12	266	3 „
C ..	28	23	659	5 „
D ..	36	31	1,481	5 „
E ..	39	32	1,581	4 „ ; 2 failed ; 1 pending.
F ..	64	45	1,636	19 „
G ..	57	51	1,725	4 „ ; 1 failed ; 1 pending.
Total ..	261	215	7,758	

It may be mentioned that the Municipal Analyst was summoned by the Court to give evidence in certain cases ; the total amount of fine inflicted on the Offenders amounted to Rs. 7,758, which I understand is credited to Municipal Funds by the Chief Presidency Magistrate.

(*b*) *Waters.* 318 *Samples.*

Source.	For potable purposes from a chemical point of view only.					Total.
	Fit.	Fair.	Unfit.	Suspicious.	Objectionable.	
Public supply	....	....	....	....	....	261
Wells	6	9	31	5	2	53
Tanks	....	....	....	1	....	1
Not specified	....	....	....	....	....	3
Total ..	6	9	31	6	2	318

(*c*) *Drugs and Disinfectants.*

Twenty-eight samples were examined, of which 15 were of disinfectants and 13 were of drugs.

(*d*) *Urine, &c., for diagnostic purposes.*

496 samples were examined, of which 495 were of urine and one of Renal Calculus.

(*e*) *Miscellaneous samples.*

Thirteen samples were examined in this connection, which consisted of Wood colour prepared wax, opium for percentage of morphine, sulphate of Alumina for percentage of Iron, manganese ore, scales formed on boilers "Chloro-bactericide."

II. Bacteriological.

Total number of samples examined was 3,156.*

This consisted of the examination of :—

(*a*) Foodstuffs.

(*b*) Public water supply and other waters.

* *Vide* foot note on page 1.

(*c*) Glycerinated vaccine.

(*d*) Blood, sputum, stools, fleas, &c., for diagnostic purposes.

(*e*) Disinfectants.

(*f*) Miscellaneous samples.

(*a*) *Foodstuffs.*

489 Samples were examined as follows :—

222 of milk for B. Typhosus.
6 „ „ „ Diphtheria.
8 „ „ „ Cholera vibrio.
14 „ condensed milk for sterility, &c.
1 tin of sardines for sterility.
3 foodstuffs, such as pickles, &c., for sterility.
235 of milk, butter, &c., for Research work.

(*b*) *Public water supply, &c.*

Public supply.—1,353 samples were examined as follows :—

184 for microbes per c. c. highest count 1,315 ; lowest count 206.
190 „ Lactose fermenters ; present in 181.*
190 „ B. Coli (Houston's); present in 169.*
184 „ B. E. Sporogenes with negative results.
238 „ Cholera vibrio „ „
184 „ Streptococci „ „
6 „ Diphtheria „ „
177 „ B. Typhosus „ „

Other waters.

21 Samples for B. Typhosus with negative results.
1 Sample „ Cholera vibrio with negative results.
1 „ „ B. Typhosus „ „ „ (Filtered).
10 Samples „ B. Typhosus „ „ „ (Wells).

(*c*) *Glycerinated vaccine.*

1,098 capillary tubes of glycerinated vaccine were examined for the presence of pathogenic micro-organisms with negative results, besides examining three samples of imported vaccine.

(*d*) *Samples for diagnostic purposes.*

32 samples of sputum for Tubercle Bacilli.
8 „ Blood for malaria.
4 „ Urine for gonococci.
10 swabs for Diphtheria.
4 samples of blood for B. Typhosus (Widal's reaction).
2 „ sputum for Pneumococci.
3 „ blood for spirillum.
1 Sample „ „ septic hæmorrhagica.
16 Samples „ „ trypanosomiasis.
1 Sample stool microscopical examination.
1 „ urine bacteriological examination.
1 „ sputum for Lung tissue.

* Were looked for in various dilutions ranging from 0·01 c.c. to 50 c.c.

B. Typhosus.

A sample of stool, and of blood were examined for suspected "Carriers" of B. Typhosus.

B. Pestis.

Twelve samples of fleas obtained from guineapigs placed in infected quarters were examined besides examining 2 samples of sputum, and one of blood for B. Pestis.

Stools, &c., for Cholera.

Sixty-four samples of stools were examined and in 20 Cholera like vibrios were detected, besides examining a sample of urine for cholera vibrio with negative results.

(*e*) *Disinfectants.*

Fourteen samples were examined such as Izal powder, Pesterine, and Zondo disinfecting fluid.

(*f*) *Miscellaneous samples.*

Two samples, one of "Chloro-bactericide" and the other of a "Liquid for purifying water" were examined.

III. *Central Disinfection Depot.*

The work of preparation and issue of Rat-poison is continued as accounted for below :—

Amount on hand on 1st January 1917 (21 Jars) ...	588	lbs.
Prepared (87 Jars)	2,436	„
Total	3,024	lbs.
Issued	2,800	„
Balance on 1st January 1918... ...	224	lbs. (8 Jars).

It will be seen from the following figures that the amount of rat-poison prepared during 1917 is the lowest on record :—

Year.	1914.	1915.	1916.	1917.
Rat-poison in pounds	4,060	4,032	3,528	2,436

This was due to the increasingly high cost of *glycerine*. The out-door staff was asked to use the poison sparingly so as to keep the expenses down as low as possible. During the latter part of the year a very cheap substitute for glycerine was prepared by me at the laboratory at about 1/25th the cost of glycerine. This discovery would now enable us to effect a very substantial saving in the preparation of rat-poison. *Vide* under "Research Work."

RESEARCH WORK.

I. *Butter and Ghee.*—(*a*) This work has been going on for over two years. As stated in my last Annual Report (1916) the research work had to be considerably curtailed for economic reasons. The work is still being continued. So far 228 samples have been subjected to complete analysis. Out of these 76 samples of butter were prepared in the laboratory from milk bought locally. The average analytical figures obtained from these have been taken as a working standard. A few genuine samples were adulterated with varying proportions of common adulterants, *e. g.*, edible oils, animal fat, etc., and the results noted for comparison. An attempt is now being made to reduce the complex and laborious analytical methods to simpler ones if possible.

(*b*) *Preservatives in Butter.*—28 samples of butter were examined for the presence of preservatives. So far no preservatives have been detected in the ordinary "loose" market butter. Dairy butters (tinned) however revealed the presence of Boric acid in about 68 per cent. of the samples examined, the amount varying from 0·19 per cent. to 1·6 per cent. Many samples of butter contained Boric acid in larger amounts than is allowed by law in England.

(*c*) *Special tests.*—127 samples of butter were subjected to special tests with a view of finding out the cleanliness of the methods employed in their manufacture. The loose butter sold in the market was found to be more dirty than the dairy butter. The addition of salt and boric acid to the latter however interferes with the tests and it is extremely difficult to judge of the methods used in the manufacture.

II. Improvement in the preparation of Rat-poison by a new and cheap laboratory process which would effect a saving of about Rs. 4,000 *per year.*

Early in 1917, experiments were undertaken with a view of finding out a cheap solvent for phosphorous. The solvent used all these years has been glycerine, the price of which has gone up very high, of late. Besides, the export of glycerine from England has been entirely prohibited by the War Office. Without going into details of the experiments, it may be mentioned that a few substitutes were tried but being rather expensive were given up. It was only about three months ago that I discovered (with the aid of my assistants) a cheap substitute for glycerine as a solvent for phosphorous. With this substitute, a small amount of rat-poison was prepared and tried on rats kept in cages in the laboratory. *It was found* that most of the baits were taken readily and the new poison appeared to act even *more efficiently and promptly* than the old one. In order to confirm the laboratory experiments on a large scale in the wards, several jars of the new poison were prepared and distributed to some of the Inspectors for observation and report. The poison was given to the rats in the usual way and the reports from the wards have been all favourable. A further improvement has been effected in *preserving* the poison and I am now in a position to announce that the *new rat-poison* prepared by us is *much cheaper in cost and more efficient in action* than the old one.

The price of glycerine at present is Rs. 4 to Rs. 4-8-0 per lb., while that of the substitute is only about 2½ *annas* per lb. The former is hardly available in India, while the latter can be easily made from ingredients which are always available locally. The substitute can be made in the laboratory at about 1/25th the cost of glycerine, so that even during normal times this would effect a considerable saving.

Rat-poison prepared in the old way costs from Rs. 1-2-0 to 1-4-0 per pound, while by the new process it costs only 3½ to 4 annas per lb. As about 4,000 pounds of the poison are usually required per year, there would be a *saving of about Rs.* 4,000 per year, by the use of the newly discovered solvent for phosphorus.

Shortage of Chemicals and Apparatus owing to the War.

There is still considerable shortage of supplies from Europe. Every attempt is being made to exercise the utmost economy in the use of expensive chemicals and apparatus.

The work of the laboratory staff has been very satisfactory.

LEMUEL LUCAS JOSHI, M.D., B. SC., D.T.M., F.C.S.,

Bombay, 14th February, 1918. Municipal Analyst.

Statement of Articles Examined Chemically during 1917, in the Municipal Laboratory.

From	"Chloro-Bacterichie."	Sugar.	Honey.	Malt Vinegar.	Beverarch Butter, Ghee, etc.	Milk.	Ghee.	Oil.	Bread.	Flour.	Tea.	Coffee.	Sardines.	Aerated Waters.	Public Water Supply.	Well Water.	Water.	Disinfectant.	Wood Colour.	Prepared Wax.	Soap.	Drugs.	Urine.	Renal Calculus.	Tallow.	Lead.	Cooked Food.	Tank Water.	Aluminum Paint.	Opium for per cent. of Morphine.	Sulphate of alumina for per cent. of Iron.	Manganese Ore.	Scales formed on Boilers.	Total.
Health Officer	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	15	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	18
Special Assistant Health Officer, Malaria and Arthur Road Hospitals.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	3
Assistant Health Officer, Malaria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Municipal Analyst	..	3	1	2	98	..	..	..	..	..	..	..	..	..	184	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	288
Deputy Health Officer, A Ward	..	..	..	..	18	134	..	10	..	10	4	4	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	190
.. .. .. B	..	..	..	..	3	53	..	..	1	4	1	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	66
.. .. .. C	..	..	..	..	8	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	90
.. .. .. D	..	..	..	.	12	84	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	101
.. .. .. E	..	..	..	..	10	105	..	..	..	..	..	..	..	1	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	122
.. .. .. F	..	..	..	..	..	66	1	..	..	..	..	..	..	..	..	32	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	100
.. .. .. G	..	..	..	..	..	87	..	..	..	..	..	..	..	..	..	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	98
Lady Physician, Maternity Home	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Hydraulic Engineer	..	..	..	..	..	..	..	..	..	..	..	..	..	..	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	77
Superintendent Licenses	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	1	..	..	..	4
Municipal Storekeeper	..	..	..	..	..	..	..	21	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1	..	..	..	..	..	..	..	24
Ackworth Leper Asylum	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Private	1	..	..	..	..	4	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	493	1	1	..	..	..	..	1	1	1	1	510
Grand Total	1	3	1	2	150	615	1	31	1	23	5	4	1	1	261	53	3	15	2	1	2	13	495	1	1	1	1	1	1	1	1	1	1	1,694

Statement of Milk examined during 1917 in the Municipal Laboratory.

Received from	Genuine.	Doubtful Purity.	Not Genuine.	Total.
Deputy Health Officer, A....	106	2	26	134
,, ,, ,, B	30	1	22	53
,, ,, ,, C	46	.....	35	81
,, ,, ,, D	47	1	36	84
,, ,, ,, E	60	2	43	105
,, ,, ,, F	20	.....	46	66
,, ,, ,, G	11	1	75	87
Ackworth Leper Asylum	.....	.....	.....	1
Private	.....	.....	.....	4
Total ...	320	7	283	615

Statement of Ghee sample examined during 1917.

Received from	Genuine.	Total.
Deputy Health Officer F...	1	1
Total ...	1	1

Statement of Well and Tank Waters examined during 1917 in the Municipal Laboratory.

No.	Sent by	Situated at	Opinion as to potability from a chemical point.
1	Deputy Health Officer, E	6, Khambata Lane	Unfit.
2	,, ,, ,, D	Thakurdwar Road	Fair.
3	,, ,, ,, A	Wadia's Agairy No. 17 Pitha Street	,,
4	,, ,, ,, E	69, Mazagaon Road..	Unfit.
5	,, ,, ,, G	114, 117,118, Manmala Tank	Suspicious.
6	,, ,, ,, E	Gunpowder Road No. 5	Fair.
7	,, ,, ,, F	48-49, Naigam Road	Unfit.
8	,, ,, ,, F	,, ,, ,, ...	,,
9	,, ,, ,, F	51 ,, ,, ...	Very suspicious.
10	,, ,, ,, F	,, ,, ,, ...	Fit.
11	,, ,, ,, F	52-54, ,, ,, ...	Unfit.
12	,, ,, ,, F	,, ,, ,, ...	,,
13	,, ,, ,, F	,, ,, ,, ...	,,
14	,, ,, ,, F	,, ,, ,, ...	,,
15	,, ,, ,, F	7, Suparibag Road	Fair.

No.	Sent by	Situated at	Opinion as to potability from a chemical point.
16	Deputy Health Officer, F	1110, Laxminarayen Temple	Unfit.
17	Do. do. F	1110, C „ „	„
18	Do. do. F	1167-1168, A Golangi Hill Road	Objectionable.
19	Do. do. F	1173-1175, Parel Tank Road	Unfit.
20	Do. do. F	„ „ „ „ „	Fit.
21	Do. do. F	1219-1220 A „ „ „	„
22	Private	Dadar	Unfit.
23	Deputy Health Officer, F	Vaccination Depot, Parel	Very suspicious.
24	Do. do. F	500-501, Parel Road	Unfit.
25	Do. do. F	C. I. T. Naigam Cross Road and Vincent Road ..	„
26	Do. do. F	„ „ „	„
27	Do. do. F	822 A 825, Sewri Cross Road	„
28	Do. do. F	„ „ „ „	„
29	Do. do. F	10, Naigam Cross Road	„
30	Do. do. F	„ „ „	„
31	Do. do. D	64, Mahalaxmi Temple Compound	„
32	Do. do. F	141, Dadar Road	Fair.
33	Do. do. F	874, (A, B, C, D) Sewri Cross Road	Unfit.
34	Do. do. F	Sewri Koliwada	Objectionable.
35	Do. do. F	Wadala Road	Unfit.
36	Do. do. F	89 Vincent Road	„
37	Do. do. F	89-89 Vincent Road	„
38	Do. do. F	„ „ „	„
39	Do. do. F	1178, Parel Tank Road	„
40	Do. do. F	1180-82 „ „ „	Fair.
41	Do. do. G	247, Lady Jamsetji Road	Fit.
42	Do. do. G	5, Mahim Cross Road	Unfit.
43	Do. do. G	367, Lohar Chawl	Suspicious.
44	Do. do. G	1216-1216 D, Parel Tank Road	Unfit.
45	Do. do. G	1221-1221 D „ „ „	Suspicious.
46	Do. do. E	11/17-18, Livery Stables, Wadi Bunder	Fair.
47	Do. do. G	387, Mahim Custom Road (small well)	„
48	Do. do. G	„ „ (big well)	Unfit.
49	Do. do. G	490-92, Delisle Road	„
50	Do. do. E	23, (B. P. T.) Reay Road	„
51	Do. do. E	27-27A „ „	Fit.
52	Do. do. G	319-20, Upper Mahim	Fair.
53	Do. do. G	938-39, Mahim Bazar Road	Fit.
		TANK WATER.	
1	Do. do. F	943, 944 A 6 and 446, Sewri Cross Road	Suspicious.
		D. H. O.—Deputy Health Officer.	

Statement of articles, examined bacteriologically excluding Waters, during 1917, in the Municipal Laboratory.

From.	Glycerinated Vaccine.	Imported Lymph.	Sputum for Tubercle Bacilli.	Milk for B. Typhosus.	Stools for Cholera Vibrio.	Disinfectants.	Fleas for B. Pestis.	Milk for Diphtheria.	Milk for Cholera.	Blood for Malaria.	Urine for Gonococci.	Swab for Diphtheria.	Blood for Typhoid (Widals reaction.)	Sputum for B. Pestis.	Sputum for Pneumonia.	Stool, Blood for B. Typhoid "Carriers."	Sardines for Sterility.	Condensed Milk.	Food Stuffs Pickles, &c.	Blood for Spirillum.	Blood for B. Pestis.	Blood for Septic Hoemorrhagica.	Blood for Trypanosomiasis.	Stool, Microscopic Exam.	Urine for Cholera Vibrio.	Urine Bacteriological Exam.	"Chloro-bacteriode" and "Liquid for purifying Water."	Sputum for Lung tbaste, &c.	Research Samples Milk, Butter, Ghee.	TOTAL.
Health Officer	..	..	..	..	..	14	..	..	..	..	..	..	..	..	..	..	1	4	..	..	..	1	15	..	..	..	..	..	..	35
Assistant Health Officer, Arthur Road and M. Hospitals	..	..	..	..	59	..	..	..	..	3	..	..	..	2	2	..	..	..	..	3	1	..	..	..	1	..	..	..	..	71
Municipal Analyst	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	40	43
Deputy Health Officer, A	..	..	..	55	2	..	2	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49	113
" " " B	..	..	1	17	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	41
" " " C	..	..	..	35	1	..	1	..	3	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	28	69
" " " D	..	..	1	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	37	94
" " " E	..	..	..	39	2	..	3	5	1	..	..	6	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	30	89
" " " F	..	..	..	6	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	17
" " " G	..	..	..	14	..	..	1	..	..	3	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	44
Superintendent Vaccination	1,098	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	..	..	..	..	..	..	..	..	..	..	..	1,101
Private	..	..	30	..	..	..	..	..	..	2	4	..	2	..	..	..	..	..	..	..	..	..	..	1	..	1	2	1	..	53
Total ..	1,098	3	32	222	64	14	12	6	8	8	4	10	4	2	2	1	1	14	3	3	1	1	16	1	1	1	2	1	235	1,270

VI.

Statement of water samples examined bacteriologically during 1917 in the Municipal Laboratory.

	Public water supply.														Remarks.
	Microbes per c. c.	Lactose fermenters.	B. Coli (Houston's.)	B. E. Sporogenes.	Cholera vibrio.	Streptococci.	Water for B. Typhosus.	Water for Cholera vibrio.	Tap water for diphtheria.	Filtered water for B. Typhosus.	Well water for B. Typhosus.	Tap water for B. Typhosus.	Total.		
Municipal Analyst	184	190	190	184	184	184	..	..	..	..	..	..	1,116		
Deputy Health Officer, A ..	..	..	..	..	36	..	..	..	1	..	3	19	59		
Do. do. B ..	..	..	..	..	..	..	1	..	..	..	3	19	23		
Do. do. C ..	..	..	..	..	9	..	1	..	..	..	2	38	50		
Do. do. D ..	..	..	..	..	1	..	15	1	..	1	..	35	53		
Do. do. E ..	..	..	..	..	2	..	4	..	5	..	1	44	56		
Do. do. F ..	..	..	..	..	3	..	..	..	..	..	..	5	8		
Do. do. G ..	..	..	..	..	3	..	..	..	..	..	1	17	21		
Total ..	184	190	190	184	238	184	21	1	6	1	10	177	1,386		

VII.

Statement of water samples examined for various microbes and in which the same were detected during 1917 in the Municipal Laboratory.

Lactose fermenters.†		B. Coli (Houston's)†		B. E. Sporogenes.		Cholera vibrio.		Streptococci.		Diphtheria.		B. Typhosus		Remarks.
I	II	I	II	I	II	I	II	I	II	I	II	I	II	
190	181	190	169	184	*Nil.*	239	*Nil.*	184	*Nil.*	6	*Nil.*	209	Nil.	† Were looked for in various dilutions ranging from 0·01 c to 50 c.c.

I.=Total number of samples examined.

II.=Total number of samples in which detection was noted.

The Annual Report of the Superintendent of Vaccination for 1917.

Superintendent.

I was in charge of the Department throughout the year.

Vaccination Establishment.

The Establishment consists of the Superintendent, the Assistant Superintendent, 10 Vaccinators, 5 Clerks, 17 Karkuns, 3 Peons, and 15 Coolies.

Vaccine operations with results during 1908—1917

2. The following statement gives the number of persons primarily vaccinated and re-vaccinated during 1917 and the preceding nine years, with the number of persons successful and the percentage of success :—

Year.	Primary Vaccinations.			Re-vaccinations.			Total Number of persons vaccinated.		
	Number of persons vaccinated.	Number successful.	Percentage of success.	Number of persons re-vaccinated.	Number successful.	Percentage of success.	Number of persons vaccinated and re-vaccinated.	Number successful.	Percentage of success.
1908	19,122	16,801	87·86	4,633	257	5·55	23,755	17,058	71·80
1909	18,447	16,336	88·56	10,669	116	1·09	29,116	16,452	56·50
1910	17,356	15,371	88·56	23,600	70	·30	40,956	15,441	37·70
1911	19,312	17,819	92·27	18,786	86	·46	38,098	17,905	47·00
1912	20,946	18,876	90·13	17,094	201	1·18	38,040	19,079	50·15
1913	20,877	18,559	88·90	15,189	63	·41	36,066	18,622	51·62
1914	20,207	17,704	87·61	12,243	63	·51	32,450	17,767	54·75
1915	19,721	17,331	90·42	10,116	41	·41	29,837	17,372	59·90
1916	19,215	16,529	86·02	31,746	8	·03	50,961	16,537	32·45
1917	18,958	17,330	91·41	19,659	4	·02	38,617	17,334	44·89

It will be observed that the total number of persons operated upon during the year was 38,617 against 50,961 in 1916, of which 18,958 were Primary Vaccinations being 257 less than in 1916, and 19,659 were Re-vaccinations being 12,087 less than in 1916. Out of the Primary Vaccinations, 11,188 were Bombay-born, and 7,770 outborn, compared with 10,882 and 8,329 respectively in the last year.

Of the Primary Vaccinations, 17,330 were successful, the percentage of success being 91·41. This, however, is raised to 98·32, if 1,390 " Unknown " cases be left out. Of the Re-vaccinations, 4 were successful, yielding a percentage of ·02, which, however, is raised to 57·14, if 19,652 " Unknown " cases be excluded. Calculated on the total number of persons vaccinated, the percentage of success works out to 44·89.

Primary vaccination results by age-periods.

3. The following table shows the results in Primary Vaccinations by age-periods :—

Under 1 year.			Between 1 and 6 years.			Above 6 years.			Total results.			Total operations.
Successful.	Unsuccessful.	Unknown.	Successful.	Unsuccessful.	Unknown.	Successful.	Unsuccessful.	Unknown.	Successful.	Unsuccessful.	Unknown.	
14,290	234	1,018	2,972	60	348	68	2	24	17,330	296	1,390	19,016

Vaccinations by others than Vaccination staff.

4. The subjoined table shows the Vaccinations performed by Private Medical Practitioners, the District Registrars of the Health Department, and the Medical Officers in charge of the two Jails and the Colaba Lunatic Asylum :—

	Primary Vaccinations.							Re-vaccinations.		
				Successful.						
	Males.	Females.	Total.	Under 1 year.	1 and 6 years.	All ages.	Unknown.	Total.	Successful.	Unknown.
District Registrars. ...	...	3	3	2	1	...	...	35	1	34
P. M. Practitioners ...	3	...	3	3	...	...	...	1,506	...	1,506
The two Jails... ...	3	...	3	2	...	1	...	27	26	...
Colaba Lunatic Asylum.	...	...	...	...	...	...	...	...	...	...

Inspection of Vaccination.

5. Table showing the particulars of Primary and Re-vaccinations verified by Inspecting Officers :—

Total number of persons vaccinated.		Total number inspected.				Percentage of inspection to total number vaccinated.				Percentage of cases found successful to total number inspected.				Percentage of success reported by the Vaccinators.	
		By the Superintendent.		By the Asstt. Supdt. and the Head Vaccinator.		By the Superintendent.		By the Asstt. Supdt. and the Head Vaccinator.		By the Superintendent.		By the Asstt. Supdt. and the Head Vaccinator.			
P.	R.	P.	R.	P.	R.	P.	R.	P.	R.	P.	R.	P.	R.	P.	R.
18,958	19,659	S. F. (4,687+114) =4,751	S. F. (2+4) =6	S. F. (7,880+238) =8,068	S. F. (4+4) =8	25·06	·03	42·56	·04	97·60	33·33	97·65	50·00	91·41	·02

Heifers inoculated, scraped for emulsion, &c.

6. The table below shows by months number of calves inoculated, and the number rejected after inoculation, owing to sickness : as also the number of calves scraped for emulsion during the year and the number used for calf-to-arm vaccination.

Heifers.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Number inoculated...	55	52	55	65	41	37	48	39	39	40	35	40	546
Number successful ...	54	45	51	58	33	33	40	37	32	34	31	34	482
Number unsuccessful	1	2	1	2	6	4	8	2	5	4	3	6	44
Number rejected after inoculation owing to sickness	...	5	3	5	2	...	...	...	2	2	1	...	20
Number inoculated for emulsion	39	41	44	51	24	22	29	28	30	26	21	21	378
Number inoculated for calf-to-arm vaccination ...	16	11	11	14	17	15	19	11	9	12	14	19	168

Proceeds from the sale of lymph and from other sources.

7. The following statement shows the proceeds from the sale of lymph, the fees realized from vaccination at private places, etc., during the year under report :—

Amount realized by the sale of lymph.	Municipal moiety of the fees from private vaccination.	Municipal fee (moiety only) for vaccination instruction to Medical Students.	Municipal fee for giving vaccination extracts, &c.	Total.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
4,262 0 0	742 12 0	730 0 0	128 3 6	5,862 15 6

8. The cost of each successful operation including all charges was Rs. 1-14-3 against Rs. 2-0-10 in the preceding year; if the amount realized by the sale of lymph, by fees for private vaccination, etc., (Rs. 5,862-15-6) be deducted from the total expenditure, the cost works out Rs. 1-8-10 against Rs. 1-4-2 for the last year. Cost of single operation.

9. If calculated on the total number of vaccine operations, the cost of each operation, after deducting the proceeds from the sale of lymph, from private vaccination, etc., comes to Re. 0-11-1 against Re. 0-6-7 for the last year.

10. During the year under report 150 certificates of postponement of vaccination of children were granted. Postponement certificates.

11. There were no prosecutions during the year, either for neglect of vaccination or for neglect of inspection of the result. Prosecution under Vaccination Act.

12. The following table shows the different kinds of lymph used, the operations done with each kind and the comparative results obtained during the year 1917 :— Work done with different kinds of lymph.

Kind of lymph.	Number of operations.		Successful cases excluding the "Unknown."		"Unknown" cases.		Percentage of success excluding the "Unknown" cases.	
	P.	R.	P.	R.	P.	R.	P.	R.
(a) Human	...	...	..	...	...	...	...	...
(b) Animal	5,762	1,021	5,213	2	491	1,017	98·90	50·00
(c) Glycerinated	13,205	18,638	12,068	2	899	18,634	98·07	50·00
	18,967	19,659	17,281	4	1,390	19,651	98·92	50·00

13. 317 calves were scraped for lymph; the total amount of scrapings came upto 29,694 grains or 94 grains per calf. Lymph.

The lymph was submitted to the Municipal Analyst for bacteriological examination for extraneous micro-organisms. These were not detected on any examination.

14. This year 4 military medical pupils, 111 civil medical, and 31 other students attended the different Public Vaccine Stations in the city for receiving practical instruction in vaccination. Instruction in Vaccination.

15. The total number of deaths reported from small-pox was 269 against 1,021 in the year preceding. Out of these 140 were under 10 years of age tabulated according to the incidence of vaccination. I find the following :— Small-pox.

——	1-30 days.	1-6 months.	7-12 months.	1-2 years.	2-3 years.	3-4 years.	4-5 years.	5-10 years.
Vaccinated ...	...	*2	*2	...	...	1	...	2
Unvaccinated..	1	23	41	19	12	6	5	12
Not known ...	...	...	1	2	5	2	2	10

* Vaccinated during incubation period of small-pox.

16. The number of Pilgrims who left Bombay for the Haj during this year was 1,339. Of these, 1,200 were vaccinated in Bombay before embarkation, *i.e.*, 89·62 per cent.

The following table shows the number of males and females and the number of Primary vaccinations and Re-Vaccinations performed amongst the Pilgrims by the Vaccination Staff. The Special Staff, for this purpose, was not engaged during this year :—

—	Males.	Females.	Total.
Primary Vaccinations	4	4	8
Re-vaccinations	1,020	172	1,192
Total ...	1,024	176	1,200

The female Pilgrims were vaccinated by Nurse Mrs. Rachelbai of 9 District.

Ill-effects by vaccination.

No serious ill-effects following Vaccination were observed or brought to notice during the year.

Vaccination in Bandra and Kurla.

The following table shows the Vaccination work done in the Bandra and Kurla circles in 1917 compared with that done in 1916:—

Vaccination Circle.	Population according to the Census of 1911.	Year.	Children successfully vaccinated.		Children available for vaccination.	Persons primarily vaccinated.	Persons re-vaccinated.	Total number of persons operated upon.
			Under 1 year.	Under 6 years.				
Bandra	24,286	1916	204	72	369	364	225	589
		1917	154	58	486	288	25	313
Kurla	15,081	1916	33	29	220	93	2	95
		1917	61	34	195	127	.....	127

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Superintendent of Vaccination,
Bombay.

BOMBAY, *8th April* 1918.

Meteorological Data (Government Observatory, Colaba), Latitude 18°-53'-36", North, Longitude 72°-48'-56", East.

MONTHS.	Barometer.	Reading of Thermometer.				Mean Maximum Solar Radiation.	Difference between Dew-point Temperature and Mean Air Temperature.	Degree of Humidity, complete Saturation being 100.	Prevailing Direction of Wind.	Rainfall.		
	Mean Daily Readings.	Maximum.	Minimum.	Mean Daily Range.	Mean Daily Value.					Number of Days on which Rain fell.	Total Fall of Rain during the Month.	Maximum Fall of Rain.
1917.	In.	°	°	°	°	°	°				In.	In.
January	29·943	86·4	67·0	10·8	76·7	129·9	11·1	70	N.	.....	.....	.....
February	·882	88·1	66·2	10·0	77·2	130·2	10·9	70	N. N. W.	2	1·68	1·60
March	·852	89·5	70·2	9·4	79·7	130·6	10·4	71	N. W.	.....	.....	.....
April	·802	89·1	76·6	8·0	82·9	132·7	9·9	73	W. N. W.	.....	.....	.....
May	·798	90·3	77·7	7·9	84·6	133·4	10·2	72	W.	9	0·88	0·41
June	·630	90·9	77·6	4·7	82·7	122·8	5·4	84	S. W.	25	15·35	2·27
July	·658	86·9	76·4	4·1	82·6	121·5	5·5	83	W.	27	12·91	5·64
August	·697	86·6	75·7	4·0	80·4	117·2	4·0	88	W.	28	33·27	3·83
September	·702	85·7	74·7	4·8	80·2	120·9	4·1	87	W.	25	19·58	5·96
October	·752	88·2	71·6	6·5	80·4	125·6	6·3	82	W. S. W.	18	16·11	5·73
November	·883	87·2	70·3	10·4	78·6	133·9	10·6	71	N.	.....	.....	.....
December	·904	85·2	65·2	10·7	75·5	129·3	10·2	71	N.	.....	.....	.....

TABLE showing the Population and the Number of Births and the Birth-rate by Sex and Section in 1917.

1	2	3			4			5			6	7	8	9		
Ward.	Section.	Population according to the Census of 1911.			Number of Births registered.			Ratio of Births per 1,000 of Population.			Number of male births to every 100 female births.	Excess of births over deaths per 1,000 of Population.	Excess of deaths over births per 1,000 of Population.	Mean ratio of births per 1,000 of Population during the previous 5 years.		
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.				Males.	Females.	Persons.
A	Upper Colaba	869	688	1,557	38	54	92	43·72	78·48	59·08	70·37	.....	21·19	63·29	74·12	68·07
	Middle and Lower Colaba	13,514	6,165	19,679	173	164	337	12·80	26·60	17·12	105·48	.....	10·41	10·13	21·24	13·61
	Fort, South	2,825	637	3,462	20	16	36	7·07	25·11	10·39	125·00	.....	67·19	3·53	15·69	5·77
	Fort, North	15,564	9,836	25,400	297	327	624	19·08	33·24	24·56	90·82	.....	12·32	18·63	26·84	21·80
	Esplanade	12,544	5,217	17,761	148	128	276	11·79	24·53	15·53	115·62	.....	21·84	9·08	20·50	12·44
B	Mandvi	23,317	9,885	33,202	251	238	489	10·76	24·07	14·72	105·46	.....	16·68	9·60	22·45	13·48
	Chukla	15,768	8,463	24,231	247	208	455	15·66	24·57	18·77	118·75	.....	14·15	14·90	27·17	19·19
	Umarkhadi	28,491	17,188	45,679	660	653	1,313	23·16	37·98	28·74	101·07	.....	13·31	20·95	33·10	25·25
	Dongri	16,985	10,261	27,246	233	226	459	13·71	22·02	16·84	103·09	.....	7·70	14·88	24·26	18·42
C	Market	22,011	8,161	30,172	157	170	327	7·13	20·83	10·83	92·35	.....	15·11	7·13	18·74	10·27
	Dhobi Talao	24,670	14,014	38,684	429	452	881	17·38	32·25	22·77	94·91	.....	7·53	17·38	28·68	21·48
	Fanaswadi	18,125	9,278	27,403	302	350	652	16·66	37·72	23·79	86·28	.....	7·18	16·11	30·50	20·98
	Bhuleshwar	24,713	11,746	36,459	306	312	618	12·38	26·56	16·97	98·07	.....	14·78	12·90	24·43	16·59
	Khara Talao	15,052	7,927	22,979	283	282	565	18·80	35·57	24·58	100·35	.....	15·40	16·67	31·28	21·71
	Kumbharwada	17,908	9,795	27,703	330	338	668	18·42	34·50	24·11	97·63	.....	12·02	16·58	28·99	20·97
D	Khetwadi	19,850	12,087	31,937	407	422	829	20·50	34·91	25·95	95·44	.....	3·66	18·13	27·38	21·63
	Girgaum	19,156	11,623	30,779	415	354	769	21·66	30·45	24·98	117·23	.....	7·40	17·54	26·67	20·98
	Chowpati	7,088	4,309	11,397	135	140	275	19·04	32·49	24·12	96·42	.....	4·73	17·07	28·77	21·49
	Walkeshwar	6,883	3,757	10,640	130	121	251	18·88	32·20	23·59	107·43	.....	6·76	17·38	27·41	20·86
	Mahalakshmi	16,608	9,694	26,302	403	328	731	24·26	33·83	27·79	122·86	.....	0·95	18·66	31·01	23·26
E	Mazagon	19,398	10,677	30,075	388	367	755	20·00	34·37	25·10	105·72	.....	11·93	19·74	35·96	25·50
	Tarwadi	18,141	10,283	28,424	404	493	897	22·26	47·94	31·55	81·94	.....	18·50	22·49	15·99	20·99
	2nd Nagpada	13,321	8,379	21,700	303	263	566	22·74	31·38	26·08	115·20	.....	16·72	20·56	29·59	24·05
	Kamathipura	22,523	14,228	36,751	427	414	841	18·95	29·09	23·88	103·14	.....	19·53	18·42	28·53	22·33
	Tardeo	17,241	10,517	27,758	384	350	734	22·04	33·27	26·40	109·71	.....	7·27	21·11	30·23	24·56
	Byculla	47,672	27,676	75,348	1,030	889	1,919	21·60	32·12	25·46	45·86	.....	15·74	21·01	34·00	25·78
	1st Nagpada	4,182	2,232	6,414	107	69	176	25·58	30·91	27·45	155·07	.....	·46	20·32	33·60	24·94
F	Parel	28,858	16,616	45,474	451	417	868	15·62	25·09	19·06	108·15	.....	15·55	17·48	28·28	21·39
	Sewri	11,841	7,226	19,067	240	194	434	20·26	26·84	22·76	123·71	.....	14·10	19·38	29·89	23·33
	Sion	18,463	12,317	30,680	420	397	817	22·74	32·49	26·62	105·79	.....	13·72	23·12	32·74	26·92
G	Mahim	18,271	12,221	30,492	483	463	946	26·43	37·88	31·02	104·31	.....	10·59	24·79	39·03	30·49
	Worli	58,473	31,138	89,611	1,057	993	2,050	18·07	31·89	22·87	106·44	.....	11·80	16·45	30·02	21·19
	Harbour, Docks, Railway and Homeless	39,963	5,016	44,979	1	.....	1	·02	.....	·02	.....	.....	2·89	·02	.....	·02
	Total	640,288	339,157	979,445	11,059	10,592	21,651	17·27	31·23	22·10	104·40	.....	11·98	16·25	29·49	20·84

TABLE of Deaths and the Death-rate from some of the Principal Diseases by Sections in 1917.

1	2	3	4	5			6			7	8															9		
Ward.	SECTION	Area in square miles.	Average Population per square mile calculated on the Census Population of 1911.	Population by the Census of 1911.			Number of deaths registered.			Number of deaths to males to 100 deaths among females	Death-rate per 1,000 of Population.															Mean ratio of deaths per 1,000 of Population during the previous 5 years.		
											Cholera.	Small-pox.	Measles.	Plague.	Malaria.	Enteric.	Other Fevers.	Diarrhœa and Dysentery.	Tuberculosis.	Phthisis.	Other Respiratory Diseases.	Injuries.	All other causes.	All Causes.					
				Males.	Females.	Total.	Males.	Females.	Total.																Males.	Females.	Total.	Males.	Females.	Total.
A	Upper Colaba ...	·22	7,077	869	688	1,557	90	35	125	257·14	1·92	1·92	...	5·78	3·85	1·92	·64	8·98	1·28	6·42	19·26	2·56	25·69	103·56	50·87	80·28	67·89	39·24	55·28
	Middle and Lower Colaba ..	·45	43,731	13,514	6,165	19,679	313	229	542	136·68	·15	·45	.66	6·25	·10	·35	·86	1·47	·05	1·88	6·70	1·01	7·57	23·17	37·14	27·54	32·49	35·52	26·57
	Fort, South ...	·21	16,485	2,825	637	3,462	219	15	234	1460·00	...	·28	...	4·04	5·19	1.78	·28	8·37	1·78	12·71	13·86	2·59	16·75	77·52	23·54	67·59	36·46	23·54	34·08
	Fort, North ...	·21	120,952	15,564	9,836	25,400	536	401	937	133·66	·74	·98	·15	2·44	·39	·47	1·88	2·51	·66	5·46	10·19	·78	11·81	34·43	40·76	36·88	31·22	37·00	33·46
	Esplanade ...	1·04	17,077	12,544	5,217	17,761	504	160	664	315·00	·05	·28	·05	1·35	1·06	·78	1·29	3·77	·78	3·09	9·45	3·82	11·54	40·17	30·66	37·38	36·59	28·94	34·34
B	Mandvi ...	·26	127,700	23,317	9,885	33,202	576	467	1,043	123·34	·03	·24	·12	2·86	·21	·03	1·89	1·35	·36	2·04	12·25	·60	9·42	24·70	47·24	31·41	29·07	45·32	33·91
	Chukla ...	·08	302,887	15,768	8,463	24,231	458	340	798	134·70	...	·08	·24	1·77	·20	·04	·90	1·69	·28	2·18	12·78	·28	12·33	29·03	40·17	32·93	29·99	48·09	36·31
	Umarkhadi ..	·16	285,493	28,491	17,188	45,679	1,020	901	1,921	113·20	...	·15	·15	1·90	·24	·13	3·73	8·61	·24	1·77	15·06	·54	15·52	3·58	52·42	42·05	38·75	50·44	43·17
	Dongri ...	·45	69,546	16,985	10,261	27,246	390	279	669	139·78	·07	·07	·07	1·43	·11	·03	2·46	1·42	·07	·86	10·60	·55	7·26	22·96	27·19	24·55	29·67	36·85	32·18
C	Market ...	·14	215,514	22,011	8,161	30,172	475	308	783	154·22	·03	·39	·29	1·82	·36	·28	1·39	1·25	·33	1·16	9·77	·59	8·28	21·58	37·74	25·95	19·12	36·02	23·69
	Dhobi Talao ...	·16	241,775	24,670	14,014	38,684	624	548	1,172	113·86	·10	·49	·38	1·11	·25	·36	1·84	2·04	·43	1·08	10·31	·77	11·58	25·29	39·10	30·29	25·98	36·60	29·80
	Fanaswadi ...	·20	137,015	18,125	9,278	27,403	461	388	849	118·81	·03	·80	·47	1·16	·14	·10	1·71	2·15	·40	1·45	1·03	·62	11·82	25·43	41·81	30·98	22·01	35·56	26·60
	Bhuleshwar ...	·12	303,825	24,718	11,746	36,459	671	486	1,157	138·06	·02	·08	·13	1·53	·16	·16	1·42	2·63	·16	·87	11·90	·54	12·09	27·15	41·37	31·78	26·94	44·27	31·67
	Khara Talao ...	·07	328,271	15,052	7,927	22,979	494	425	919	116·23	·04	·13	·21	1·52	·17	·17	1·08	2·34	·13	2·52	12·57	·43	18·66	32·81	55·61	39·99	32·22	52·10	39·07
	Kumbharwada ...	·07	395,757	17,908	9,795	27,703	548	453	1,001	118·55	·10	·18	·18	1·01	·10	·03	2·16	2·16	·21	1·98	14·83	·97	12·16	30·32	26·35	30·13	29·03	43·38	34·11
D	Khetwadi ...	·27	118,285	19,850	12,087	31,937	514	432	946	118·98	...	·34	·09	1·47	·31	·31	2·16	1·47	·25	2·00	8·29	·50	12·89	25·89	35·74	29·62	24·78	33·88	28·18
	Girgaum ..	·20	153,895	19,156	11,623	30,779	522	475	997	109·89	·13	·84	·16	1·46	·19	·35	3·37	1·36	·29	2·40	9·74	·42	11·63	27·24	40·86	32·39	20·98	35·53	29·07
	Chowpati ...	·17	67,041	7,088	4,309	11,397	155	174	329	89·08	...	·08	...	1·22	·26	·70	1·93	1·31	·26	2·45	7·37	·96	12·28	21·86	40·38	28·86	21·30	30·16	24·65
	Walkeshwar ...	·85	12,517	6,883	3,757	10,640	194	129	323	150·38	...	·26	·09	4·32	·46	·09	1·87	1·67	·09	2·06	7·33	·84	11·18	28·18	34·33	30·35	19·32	28·48	22·46
	Mahalakshmi ...	1·00	26,302	16,608	9,694	26,302	453	303	756	149·50	·11	·11	·03	1·71	·19	·19	·76	2·85	·34	1·93	9·04	·60	10·83	27·27	31·25	28·74	24·08	33·21	27·45
E	Mazagon ..	·96	31,328	19,393	10,677	30,075	651	463	1,114	140·16	·03	·18	·18	1·52	·25	·06	2·75	5·85	·06	·36	14·56	·53	10·83	25·56	43·36	37·04	21·13	43·73	35·61
	Tarwadi ...	·75	37,898	18,141	10,283	28,424	927	496	1,423	186·89	...	·24	·21	2·21	·85	·28	2·21	7·38	·91	2·63	15·49	1·65	16·04	51·09	48·23	50·06	47·90	57·66	51·43
	2nd Nagpada ...	·05	434,000	13,321	8,879	21,700	491	438	929	112·10	...	·32	·23	·73	·09	...	1·65	1·52	·28	5·11	14·79	·27	18·20	86·86	52·27	42·81	33·48	53·51	42·71
	Kamathipura ...	·10	367,510	23,533	14,328	36,751	799	760	1,559	105·13	...	·70	·35	2·42	·10	...	3·15	2·72	·21	5·65	13·65	·68	13·38	35·47	53·41	42·41	34·85	51·02	41·11
	Tardeo ...	·36	77,105	17,241	10,517	27,758	491	445	936	110·33	...	·14	·10	2·26	·07	·25	·57	2·81	·18	4·03	11·85	·36	11·05	28·47	42·81	33·72	33·64	42·21	34·72
	Byculla ...	·80	94,185	41,672	27,676	75,348	1,669	1,436	3,105	116·22	·01	·19	·39	1·49	·19	·10	1·06	3·17	·13	·94	14·77	·46	18·35	35·01	51·88	41·20	31·80	48·67	37·99
	1st Nagpada ...	·05	128,380	4,182	2,232	6,414	104	75	179	138·66	...	·15	·15	·77	·31	...	·62	1·24	·31	2·18	8·25	·31	18·56	24·86	33·60	27·90	25·82	36·73	29·77
F	Parel ...	·86	52,876	28,858	16,616	45,474	843	733	1,576	115·00	·04	·15	·19	1·40	·35	·06	4·02	2·04	·02	·83	13·17	·43	11·91	29·21	44·11	34·65	26·03	36·46	29·84
	Sewri ..	·77	24,762	11,841	7,226	19,067	396	307	703	128·99	...	...	·05	1·94	·05	...	4·56	2·88	·15	·47	13·47	·73	12·53	33·44	42·48	36·86	31·33	36·53	30·11
	Sion ...	6·66	4,606	18,463	12,217	30,680	724	514	1,238	140·85	·03	·16	·19	1·95	·58	·09	2·99	4·17	·22	2·57	10·56	1·01	15·74	39·21	42·07	40·35	28·86	34·29	31·02
G	Mahim ...	2·01	15,170	18,271	12,221	30,192	683	586	1,269	116·55	·03	·16	·22	3·93	·09	·26	2·85	4·75	·26	1·21	13·54	·49	13·77	37·36	39·76	41·61	29·39	38·78	33·15
	Worli ...	2·84	31,553	58,478	13,138	89,611	1,720	1,343	3,063	128·07	·02	·15	·50	1·21	·14	·07	3·10	2·68	·07	1·70	11·50	·60	12·36	29·41	43·18	34·18	24·57	32·93	29·66
	Harbour, Docks, Railways and Homeless ...	...	...	39,963	5,016	44,979	128	3	131	.....	·07	·04	...	·06	·13	·06	·26	·20	·08	·08	·53	·53	·73	3·20	·59	2·91	3·12	·79	2·84
	Total ...	22·55	43 453	640,288	339,157	979,445	13,838	14,552	33,390	129·45	·06	·27	·22	1·74	·26	·17	2·09	2·64	·24	1·91	11·46	·89	12·32	29·42	42·90	34·90	27·39	39·46	32·03

TABLE of Deaths registered by Section and Month in 1917.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total No. of deaths registered in 1917.
A	Upper Colaba	7	12	20	17	12	7	9	7	13	7	7	7	125
	Middle and Lower Colaba	34	46	48	40	53	40	47	50	52	59	39	34	542
	Fort, South	18	19	20	20	29	20	9	20	21	14	25	19	234
	Fort, North	72	74	79	74	73	87	70	69	84	113	69	73	937
	Esplanade	52	52	85	69	56	54	43	51	52	46	56	48	664
B	Mandvi	92	106	121	90	79	61	79	88	77	72	81	97	1,043
	Chukla	68	56	75	75	72	43	70	63	60	62	71	82	798
	Umarkhadi	159	151	204	207	182	146	130	159	139	138	126	180	1,921
	Dongri	65	53	55	73	55	39	62	59	65	48	47	48	669
C	Market	65	66	70	66	58	69	53	65	68	67	60	76	783
	Dhobi Talao	94	73	107	107	113	104	98	105	80	89	89	113	1,172
	Fanaswadi	60	47	80	63	74	84	83	65	83	61	61	88	849
	Bhuleshwar	85	88	109	94	119	104	95	104	82	89	92	96	1,157
	Khara Talao	59	67	79	99	85	68	99	77	73	65	83	65	919
	Kumbharwada	70	86	106	66	103	66	87	82	75	70	77	113	1,001
D	Khetwadi	77	63	87	94	77	74	81	87	70	69	80	87	946
	Girgaum	96	90	103	88	81	93	84	68	79	73	61	81	997
	Chowpati	32	33	23	26	21	32	26	21	29	20	31	35	329
	Walkeshwar	25	33	26	27	30	31	27	28	22	19	31	24	323
	Mahalakshmi	60	43	67	60	68	55	60	69	91	58	52	73	756
E	Mazagon	74	86	114	116	114	78	91	97	83	90	85	86	1,114
	Tarwadi	120	100	154	120	136	95	108	119	142	115	104	110	1,423
	2nd Nagpada	90	76	91	73	72	71	81	73	88	81	62	71	929
	Kamathipura	109	107	163	164	160	104	133	139	124	111	118	127	1,559
	Tardeo	56	60	93	89	90	65	78	78	90	82	70	85	956
	Byculla	230	197	273	274	286	210	275	288	293	260	247	272	3,105
	1st Nagpada	15	12	25	20	11	12	16	18	14	10	13	13	179
F	Parel	118	92	158	163	132	121	146	148	167	115	97	119	1,576
	Sewri	57	37	79	81	58	51	54	61	67	55	47	56	703
	Sion	76	72	84	113	97	91	128	131	107	116	112	111	1,238
G	Mahim	72	98	149	137	113	110	126	102	94	79	97	92	1,269
	Worli	234	232	318	267	302	182	286	270	261	254	206	251	2,063
	Harbour, Docks, Railways and Homeless...	9	11	18	7	10	9	9	8	8	17	11	14	131
	Total ...	2,550	2,438	3,283	3,079	3,021	2,476	2,843	2,869	2,853	2,624	2,507	2,847	33,390

TABLE of Deaths registered from all Causes by Section and Age-Period in 1917.

1	2	3		4		5		6		7		8		9		10		11		12		13		14		15
Ward.	SECTION.	Under 1 year.		1 year and under 5 years.		5 years and under 10 years.		10 years and under 15 years.		15 years and under 20 years.		20 years and under 30 years.		30 years and under 40 years.		40 years and under 50 years.		50 years and under 60 years.		60 years and upwards.		Unspecified Age.		Total.		Total.
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
A	Upper Colaba ...	18	16	6	4	4	...	2	1	9	3	30	5	12	4	8	1	4	...	2	1	...	...	90	35	125
	Middle and Lower Colaba ...	57	62	28	30	12	8	13	9	30	23	70	37	43	9	19	15	21	15	20	21	...	...	313	229	542
	Fort, South ...	2	2	1	1	1	...	...	...	31	2	115	1	47	4	12	1	7	3	8	1	...	...	219	15	234
	Fort, North ...	98	104	54	48	16	16	21	10	32	39	104	69	77	38	52	23	33	18	49	36	...	...	536	401	937
	Esplanade ...	43	50	24	22	6	7	5	4	42	8	193	23	94	21	40	11	53	7	23	7	1	...	504	160	664
B	Mandvi ...	147	153	43	50	15	15	22	21	56	39	87	62	70	37	54	16	41	30	41	38	...	1	576	467	1,043
	Chukla ...	125	93	43	52	11	11	10	11	28	33	60	59	60	24	38	18	39	13	39	26	...	...	468	340	798
	Umarkhadi ..	250	266	121	113	31	37	37	40	63	60	143	157	132	57	94	55	59	41	91	76	...	...	1,020	901	1,921
	Dongri ...	104	99	46	49	13	12	10	9	33	16	72	53	43	25	24	13	26	12	19	11	...	...	390	279	669
C	Market ...	102	98	30	40	8	10	11	13	42	30	92	39	61	21	51	18	43	17	35	22	...	...	475	308	783
	Dhobi Talao ...	158	142	67	91	16	18	17	16	45	39	98	86	73	36	61	32	35	28	54	60	...	...	624	548	1,172
	Panaswadi ...	117	117	58	48	14	12	18	13	40	36	72	48	46	38	33	22	28	18	35	36	...	...	461	388	849
	Bhuleshwar ...	145	137	53	52	16	19	18	22	43	50	105	64	97	37	68	28	50	23	78	54	...	...	671	486	1,157
	Khara Talao ...	129	118	58	49	7	10	10	11	28	37	60	73	74	36	43	18	38	25	47	48	...	...	494	425	919
	Kumbharwada ...	141	110	60	80	7	22	11	20	39	26	95	68	73	29	44	28	28	15	45	50	...	...	543	458	1,001
D	Khetwadi ...	144	117	60	43	12	16	13	12	26	25	74	67	58	34	40	23	36	31	51	64	...	...	514	432	946
	Girgaum ...	161	125	62	56	12	14	10	18	41	51	79	81	51	31	28	29	35	16	43	54	...	...	522	475	997
	Chowpati ...	86	33	11	23	1	8	5	7	9	9	31	29	17	11	20	15	10	8	15	30	...	1	155	174	329
	Walkeshwar ...	31	28	12	14	7	3	7	1	15	8	33	21	30	18	19	10	22	9	19	17	...	...	194	129	323
	Mahalakshmi ...	120	88	53	36	13	15	13	6	29	21	69	43	50	30	34	19	37	16	35	29	...	...	453	303	756
E	Mazagon ...	158	147	51	52	22	20	20	18	49	27	130	72	71	26	58	23	42	26	50	52	...	...	651	463	1,114
	Tarwadi ...	165	130	69	55	26	18	33	17	40	26	201	80	144	56	103	30	84	35	62	49	...	...	927	496	1,423
	2nd Nagpada ...	141	119	47	50	8	23	16	21	35	31	77	72	43	37	35	19	37	28	52	38	...	...	491	438	929
	Kumathipura ...	215	200	93	116	17	32	18	18	33	64	153	114	94	73	65	46	54	37	57	60	...	...	799	760	1,559
	Tardeo ...	123	133	46	65	18	15	15	12	32	34	88	57	59	35	37	28	53	25	40	43	...	...	491	445	936
	Byculla ...	520	506	207	197	53	55	50	53	96	93	227	184	181	102	115	63	120	74	100	110	...	...	1,669	1,436	3,105
	1st Nagpada ...	36	21	18	13	1	2	2	2	4	5	12	11	13	5	8	4	6	3	9	10	...	...	104	75	179
F	Parel ...	210	209	92	117	35	40	31	19	71	44	146	108	88	44	49	28	55	34	66	95	...	...	843	733	1,576
	Sewri ...	119	94	39	43	8	15	10	6	28	14	63	42	38	26	29	12	25	11	37	44	...	...	396	307	703
	Sion ...	143	144	65	74	21	21	20	14	59	30	152	68	100	57	74	23	39	28	51	55	...	...	724	514	1,238
G	Mahim ...	173	143	82	88	30	39	24	23	40	38	87	85	84	53	60	29	43	22	60	71	...	...	683	586	1,269
	Worli ...	510	427	239	242	41	53	40	35	114	72	265	156	168	90	121	69	119	87	113	112	..	...	1,720	1,348	3,068
	Harbour, Docks, Railways and Homeless	...	..	...	...	...	...	4	...	6	...	52	...	35	3	13	...	11	...	6	...	1	...	128	3	131
	Total ...	4,634	4,236	1,928	2,011	502	586	536	482	1,287	1,037	3,334	2,109	2,326	1,147	1,549	769	1,293	753	1,447	1,420	2	2	18,838	14,552	...
	Persons ...	8,870		3,939		1,088		1,018		2,324		5,443		3,473		2,318		2046		2,867		4				33,390
	Percentage to Total Mortality ...	26·56		11·79		3·25		3·04		6·96		16·30		10·40		6·94		6·12		8·58		·01		100·00		...

TABLE showing the Population, the Number of Deaths from all Causes and the

1	2	3													
		Population by the Census of 1911.													
Ward.	SECTION.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Other and Unknown Castes.	Total.
A	Upper Colaba ...	15	68	...	...	521	533	98	104	4	113	45	56	...	1,557
	Middle and Lower Colaba ...	149	169	69	2	11,094	1,690	1,190	1,085	170	1,760	223	2,037	41	19,679
	Fort, South ...	...	31	7	...	1,460	247	165	96	93	821	55	486	...	3,462
	Fort, North ...	800	1,075	2	1,497	7,779	1,358	1,449	9,692	12	1,378	155	167	45	25,409
	Esplanade ...	1	270	...	32	6,004	5,556	3,019	503	55	967	248	1,062	44	17,761
B	Mandvi ...	2,562	2,887	16	1,659	20,360	194	5,217	9	541	186	8	20	43	33,202
	Chukla ...	765	690	...	160	7,388	34	15,082	74	...	34	...	9	...	24,231
	Umarkhadi ...	1,158	361	8	60	11,916	788	29,280	38	1,371	640	39	22	8	45,679
	Dongri ...	351	250	38	8	22,092	1,222	2,571	24	436	166	13	72	3	27,246
C	Market ...	4,489	3,514	91	2,112	14,032	76	3,415	1,206	...	1,111	62	28	37	30,172
	Dhobi Talao ...	881	2,547	52	1,166	16,226	1,308	1,015	8,619	1	6,461	98	263	13	38,684
	Fanaswadi ...	520	5,104	28	46	16,162	796	502	2,005	2	2,181	7	41	9	27,403
	Bhuleshwar ...	1,949	5,084	...	79	17,194	29	11,377	715	...	28	1	3	...	36,459
	Khara Talao ...	471	173	26	6	5,967	158	15,938	171	28	40	1	...	...	22,979
	Kumbharwada ...	391	847	161	33	23,016	38	2,822	326	3	65	1	...	...	27,705
D	Khetwadi ...	167	3,443	49	111	15,727	245	3,643	7,326	36	1,087	25	62	16	31,937
	Girgaum ...	378	10,079	36	32	18,184	48	295	582	1	1,010	74	60	...	30,779
	Chowpati ...	191	2,266	...	45	7,224	2	331	859	5	444	4	25	1	11,397
	Walkeshwar ...	275	1,023	14	170	5,688	269	677	1,117	14	831	27	271	64	10,640
	Mahalakshmi ...	34	1,933	18	119	17,191	694	887	4,049	16	1,228	2	131	...	26,302
E	Mazagon ...	237	411	7	...	18,487	1,235	4,562	1,243	35	3,114	292	413	39	30,075
	Tarwadi ...	200	547	20	6	18,914	1,502	3,080	990	600	1,219	667	678	1	28,424
	2nd Nagpada ...	67	66	...	...	5,309	905	14,690	82	374	196	1	7	3	21,700
	Kamathipura ...	264	825	75	19	21,268	5,432	7,742	174	137	528	61	51	72	36,751
	Tardeo ...	246	810	8	4	12,652	4,209	4,859	3,815	72	884	96	29	74	27,758
	Byculla ...	733	1,348	30	3	42,470	7,831	16,556	833	906	2,720	904	961	3	75,348
	1st Nagpada ...	120	347	4	...	2,796	50	1,233	46	808	606	282	121	1	6,414
F	Parel ...	592	1,356	113	28	36,596	1,785	2,192	1,681	96	829	89	111	6	45,474
	Sewri ...	201	212	19	...	16,172	919	992	42	7	423	18	62	...	19,067
	Sion ...	459	1,849	30	238	19,459	3,085	2,412	728	31	2,191	92	114	3	30,680
G	Mahim ...	410	1,230	54	31	20,498	927	3,609	550	40	2,913	103	125	2	30,492
	Worli ...	915	2,874	189	46	65,875	8,666	4,859	1,918	683	3,393	294	399	...	89,611
	Harbour, Docks, Railways and Homeless.	319	977	15	68	21,276	2,405	13,560	229	30	1,706	198	4,008	188	44,979
	Total ...	20,460	53,656	1,179	7,780	547,192	54,235	179,346	50,931	6,597	41,273	4,188	11,894	714	979,445

Death-Rate per 1,000 of Population by Caste and Section in 1917.

4													5										
Number of Deaths from all Causes excluding Still-born.													Death-Rate per 1,000 of Population amongst:—										
Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Musalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Other and Unknown Castes.	Total.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Musalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Other and Unknown Castes.	Total.
...	2	...	...	29	33	8	...	...	8	2	43	...	125	...	29·41	...	...	55·66	61·91	81·63	...	...	70·79	44·44	707·65	.....	30·28
9	5	1	...	361	73	36	7	...	24	4	20	2	542	60·40	29·38	14·49	...	32·54	43·19	39·25	6·45	...	15·63	18·02	9·89	48·78	27·54
...	...	...	...	117	3	73	4	2	16	5	12	2	234	.....	...	...	...	80·13	12·14	459·75	41·66	160·66	19·48	90·90	24·69	.....	87·39
78	26	1	56	311	117	68	221	...	45	6	9	1	937	93·00	24·18	500·00	37·40	39·97	56·15	46·52	22·89	...	32·65	88·76	53·89	22·22	36·88
1	5	...	1	252	132	154	7	...	27	15	65	5	664	1,000·00	18·51	...	31·25	41·97	23·75	51·01	13·91	...	27·92	60·18	61·20	113·63	37·38
172	85	2	38	535	17	175	3	6	12	...	...	...	1,045	67·13	35·09	125·00	22·20	26·17	87·62	93·49	333·11	11·09	64·31	...	...	...	31·41
70	10	...	9	164	1	539	2	...	2	...	...	1	798	91·50	14·49	...	56·25	22·21	39·48	35·73	27·02	...	58·82	...	...	.....	32·93
54	6	2	...	418	146	1,237	...	42	12	...	1	3	1,921	46·63	458·74	250·00	...	35·07	182·95	42·07	...	30·63	18·75	...	45·44	373·66	45·05
20	4	1	...	442	138	62	3	3	4	...	...	1	669	56·98	16·00	26·31	...	20·00	106·38	34·11	83·33	6·86	24·09	...	...	333·33	21·55
206	93	1	58	273	4	102	13	...	29	1	3	...	783	45·88	26·46	10·98	27·46	19·48	53·33	29·86	10·77	...	26·10	10·12	107·18	.....	25·95
70	63	3	22	523	80	51	155	...	192	6	1	6	1,172	79·45	24·73	37·69	18·86	32·23	61·16	50·24	17·98	...	29·71	61·22	3·90	500·00	30·29
55	154	...	4	504	28	13	30	...	59	...	...	2	849	105·76	30·17	...	86·95	31·18	35·17	25·09	14·96	...	27·05	...	...	111·11	30·98
243	87	4	7	344	25	435	10	...	2	...	...	...	1,157	124·67	17·11	...	88·60	20·00	863·96	38·03	13·98	...	71·42	...	...	.....	31·73
21	6	1	...	188	52	644	4	...	...	...	...	3	919	44·58	34·68	38·46	...	31·50	229·11	40·34	23·39	...	...	...	...	.....	32·99
32	18	17	1	763	50	115	1	...	3	...	...	1	1,001	81·84	21·25	105·59	25·38	33·15	185·98	40·75	3·06	...	40·15	...	...	.....	30·13
59	84	2	5	465	9	119	177	...	22	3	1	...	946	363·29	24·39	40·81	45·04	29·56	36·73	32·66	24·16	...	30·25	120·00	16·12	.....	29·63
54	215	3	1	635	2	13	4	...	21	...	1	...	997	142·85	26·09	83·33	31·25	34·92	41·66	44·06	6·87	...	29·72	...	16·66	.....	32·39
24	36	...	2	224	2	16	15	...	10	...	...	...	329	125·65	15·85	...	...	44·44	31·00	109·09	48·33	17·46	...	22·52	...	...	.....	28·86
14	221	...	8	202	19	10	37	...	8	...	4	...	323	50·90	20·52	...	47·05	34·30	70·63	14·77	39·12	...	9·63	...	14·70	.....	30·55
12	33	1	8	153	105	28	87	...	13	...	16	...	756	352·94	17·07	56·55	67·22	26·35	151·29	31·56	21·48	...	10·58	...	122·22	.....	29·74
14	19	2	...	633	133	159	21	1	98	8	3	3	1,114	59·07	46·22	285·71	...	35·22	187·32	34·41	16·89	24·07	46·35	27·39	7·26	76·92	37·04
19	14	1	...	904	95	237	24	20	75	9	22	3	1,423	93·00	25·9	50·00	...	47·78	63·14	76·62	24·24	3·33	61·52	13·45	52·44	3000·00	35·06
...	3	1	...	123	183	599	4	2	9	1	1	3	929	...	43·45	...	...	23·16	302·20	40·43	48·78	5·34	48·91	100·00	113·65	1000·00	42·81
11	28	87	1	779	372	242	2	3	24	...	3	7	1,559	30·21	33·93	1,100·00	52·63	36·62	68·45	3·099	11·49	21·89	45·45	...	58·88	97·22	42·41
16	22	4	1	306	268	196	91	1	27	...	1	...	936	65·04	27·16	500·00	250·00	24·18	63·07	40·33	34·65	13·88	30·54	...	24·44	.....	33·72
52	41	8	...	1,382	582	773	24	28	240	30	22	3	3,185	66·41	30·41	26·66	...	30·65	74·26	46·44	28·81	33·90	88·23	33·18	2·28	1000·00	41·29
3	13	...	...	65	9	37	...	58	16	5	3	...	179	25·00	37·46	...	...	23·24	180·00	30·00	...	34·65	26·10	17·73	34·79	.....	27·90
26	42	8	2	1,167	176	100	21	2	24	4	2	2	1,576	43·92	30·97	70·79	71·42	31·88	99·58	45·63	12·49	20·83	28·95	56·17	18·01	333·33	34·65
3	11	1	1	518	45	77	...	...	15	...	2	...	703	14·92	51·88	52·63	...	33·88	48·96	77·62	...	...	35·46	...	32·25	.....	30·86
30	45	...	8	727	180	194	10	1	94	3	1	15	1,238	43·57	24·33	...	...	37·36	58·34	55·14	15·78	47·61	42·99	33·60	8·77	7500·00	40·35
11	47	2	...	615	209	185	8	1	89	1	1	...	1,209	51·21	38·21	37·63	...	31·46	290·18	51·26	14·54	25·00	30·55	9·70	8·00	.....	41·61
42	86	43	1	1,864	708	178	22	19	91	3	4	2	3,063	45·90	30·22	227·51	21·73	28·29	81·69	56·42	11·47	27·81	26·81	10·29	10·02	.....	34·18
...	1	...	...	38	...	56	...	...	3	2	19	12	131	.....	1·02	...	...	1·73	...	4·12	...	...	1·73	10·10	4·74	69·14	5·91
1,419	1,373	196	234	16,322	4,048	6,871	1,009	159	1,214	108	230	77	32,200	69·35	25·68	108·24	30·07	29·82	74·63	38·19	12·81	24·10	21·83	25·78	321·85	107·84	34·69

TABLE of Deaths registered from CHOLERA by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	...	...	...	...	...	...	1	...	2	...	...	...	...	...	3	...	...	1·92	·64
	Middle and Lower Colaba	...	...	...	...	...	...	2	...	...	1	...	...	...	...	3	...	...	·15	·50
	Fort, South	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·28
	Fort, North	1	...	...	...	...	...	1	...	...	15	...	2	...	...	19	...	...	·74	·51
	Esplanade	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	·05	·56
B	Mandvi	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	·03	1·11
	Chukla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·82
	Umarkhadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·40
	Dongri	1	...	...	...	...	...	1	...	...	...	...	...	...	...	2	...	...	·07	·99
C	Market	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	·03	·33
	Dhobi Talao	...	...	...	...	...	...	...	...	...	1	...	3	...	...	4	...	...	·10	·62
	Fanaswadi	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	·03	·54
	Bhuleshwar	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	02	·36
	Khara Talao	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	·04	·52
	Kumbharwada	...	...	1	...	...	...	...	...	2	...	...	...	...	...	3	...	...	·10	·57
D	Khetwadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·31
	Girgaum	1	...	...	...	...	1	1	...	...	...	...	1	...	...	4	...	...	·13	·51
	Chowpati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·35
	Walkeshwar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·18
	Mahalakshmi	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	·11	·26
E	Mazagon	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	·03	·46
	Tarwadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·59
	2nd Nagpada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·27
	Kamathipura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·32
	Tardeo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·28
	Byculla	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	·01	·42
	1st Nagpada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·15
F	Parel	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·04	·26
	Sewri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·31
	Sion	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·08	·35
G	Mahim	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	·03	·03
	Worli	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2	...	...	·02	·21
	Harbour, Docks, Railways and Homeless	...	...	...	...	...	...	...	...	1	3	2	1	...	...	7	...	...	·07	·13
	Total	6	...	1	...	1	1	8	1	7	20	7	9	45	16	61	·07	·04	·06	·46

TABLE of Deaths registered from SMALL-POX by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	...	1	...	...	...	...	...	...	...	...	1	1	...	...	3	...	...	1·92	...
	Middle and Lower Colaba	...	...	1	1	5	2	...	...	...	...	...	...	...	...	9	...	...	·46	·25
	Fort, South	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	·28	·28
	Fort, North	...	...	1	5	3	6	1	4	1	3	...	1	...	...	25	...	...	·98	·51
	Esplanade	...	...	1	1	2	...	1	...	...	...	...	...	...	...	5	...	...	·28	·28
B	Mandvi	3	...	2	...	1	...	1	...	1	...	...	...	...	...	8	...	...	·24	·27
	Chukla	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	·08	·12
	Umarkhadi	2	...	...	1	2	2	...	...	...	...	...	...	...	...	7	...	...	·15	·17
	Dongri	...	...	...	...	...	1	...	...	...	...	1	...	...	...	2	...	...	·07	·25
C	Market	1	3	3	...	1	2	1	...	1	...	...	...	...	...	12	...	...	·89	·39
	Dhobi Talao	...	1	6	6	4	1	1	...	...	...	...	...	...	...	19	...	...	·49	·74
	Fanaswadi	...	1	5	11	1	4	...	...	...	...	...	...	...	...	22	...	...	·80	·51
	Bhuleshwar	...	1	...	...	...	1	1	...	...	...	...	...	...	...	3	...	...	·08	·18
	Khara Talao	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3	...	...	·13	·21
	Kumbharwada	...	1	...	2	...	4	1	...	...	...	...	...	...	...	5	...	...	·18	·43
D	Khetwadi	...	...	1	2	3	4	...	1	...	...	...	...	...	...	11	...	...	·34	·50
	Girgaum	1	1	7	7	4	2	3	...	1	...	...	...	...	...	26	...	...	·84	·71
	Chowpati	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	·08	·35
	Walkeshwar	...	1	1	...	1	...	...	...	...	...	...	...	...	...	3	...	...	·26	·18
	Mahalakshmi	...	...	...	1	...	1	...	...	1	...	...	...	...	...	3	...	...	·11	·49
E	Mazagon	...	...	...	2	1	...	...	1	...	...	...	...	...	...	4	...	...	·18	·83
	Tarwadi	...	1	1	...	1	3	1	...	...	...	...	...	...	...	7	...	...	·24	·84
	2nd Nagpada	...	...	...	2	...	2	3	...	1	...	1	...	...	...	9	...	...	·32	·59
	Kamathipura	...	...	5	1	5	5	5	3	1	1	...	...	...	...	26	...	...	·70	1·00
	Tardeo	1	...	1	1	...	1	...	...	...	...	...	...	...	...	4	...	...	·14	·75
	Byculla	...	...	3	4	...	1	...	...	1	...	...	6	...	...	15	...	...	·19	1·07
	1st Nagpada	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·15	·62
F	Parel	...	...	1	3	1	...	2	...	...	...	...	...	...	...	7	...	...	·15	·94
	Sewri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·57
	Sion	...	1	1	2	...	...	...	...	1	...	...	...	...	...	5	...	...	·16	·58
G	Mahim	...	...	1	2	...	...	...	...	...	1	1	...	...	...	5	...	...	·16	·62
	Worli	1	2	6	1	1	2	...	...	...	1	...	...	...	...	14	...	...	·15	·82
	Harbour, Docks, Railway, and Homeless	...	...	...	...	...	1	...	...	...	...	...	1	...	...	2	...	...	·04	·17
	Total	9	14	49	57	37	44	22	9	10	6	3	9	152	117	269	·23	·34	·27	·57

TABLE of Deaths registered from MEASLES by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Middle and Lower Colaba	...	1	2	5	2	1	1	1	...	...	...	...	...	...	13	...	...	·66	·10
	Fort, South	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Fort, North	...	1	...	1	...	1	...	...	1	...	...	...	...	...	4	...	...	·15	·07
	Esplanade	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	·05	·05
B	Mandvi	1	1	...	...	1	1	...	...	...	...	...	...	...	...	4	...	...	·12	·27
	Chukla	1	1	1	...	1	...	1	...	...	...	...	1	...	...	6	...	...	·24	·24
	Umarkhadi	...	1	...	2	...	4	...	...	...	...	...	...	...	...	7	...	...	·15	·26
	Dongri	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2	...	...	·07	·51
C	Market	1	2	...	2	1	2	...	...	...	1	...	...	...	...	9	...	...	·29	·28
	Dhobi Talao	1	3	3	1	2	1	2	1	...	...	...	1	...	...	15	...	...	·38	·25
	Panaswadi	...	1	2	1	3	2	3	...	...	...	1	...	...	...	13	...	...	·47	·40
	Bhuleshwar	...	1	...	1	1	...	1	1	...	...	...	...	...	...	5	...	...	·13	·10
	Khara Talao	1	...	...	1	1	1	...	...	...	...	...	1	...	...	5	...	...	·21	·21
	Kumbharwada	...	...	1	...	3	...	...	...	...	...	...	1	...	...	5	...	...	·18	·36
D	Khetwadi	1	...	...	...	1	1	...	...	...	...	...	...	...	...	3	...	...	·09	·18
	Girgaum	...	...	1	2	1	1	...	...	...	...	...	...	...	...	5	...	...	·16	·23
	Chowpati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·17
	Walkeshwar	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	·09	...
	Mahalakshmi	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	·03	·38
E	Mazagon	...	2	1	...	1	...	...	...	...	...	...	...	...	...	4	...	...	·13	·09
	Tarwadi	1	2	...	...	1	2	...	...	...	...	...	...	...	...	6	...	...	·21	·21
	2nd Nagpada	1	...	1	...	...	...	2	1	...	...	...	...	...	...	5	...	...	·23	·27
	Kamathipura	3	2	2	...	1	...	1	2	1	1	...	...	...	...	13	...	...	·35	·24
	Tardeo	...	...	1	1	1	...	...	...	...	...	...	...	...	...	3	...	...	·10	·36
	Byculla	...	...	2	3	8	2	...	1	...	1	1	4	...	...	23	...	...	·29	·22
	1st Nagpada	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	·15	·31
F	Parel	...	1	...	1	2	1	...	...	...	...	3	2	...	...	9	...	...	·19	·15
	Sewri	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	·05	·05
	Sion	...	1	1	2	2	...	...	...	...	...	...	...	...	...	6	...	...	·19	·19
G	Mahim	...	...	...	4	1	1	...	...	1	...	...	...	...	...	7	...	...	·22	·29
	Worli	1	8	7	6	8	4	6	1	1	...	2	1	...	...	45	...	...	·50	·32
	Harbour, Docks, Railway, and Homeless	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	13	28	25	29	45	29	20	8	3	4	6	11	103	118	221	·16	·34	·22	·22

TABLE of Deaths registered from PLAGUE by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	...	5	3	1	1	...	...	...	...	...	...	...	...	...	9	...	...	5·78	1·28
	Middle and Lower Colaba	6	15	10	10	15	6	5	14	5	24	9	4	...	...	123	...	...	6·35	4·67
	Fort, South	...	...	1	2	10	...	...	...	...	1	...	...	...	...	14	...	...	4·04	1·44
	Fort, North	5	2	5	7	10	16	4	3	3	5	1	1	...	...	62	...	...	2·44	2·23
	Esplanade	...	1	6	5	3	1	1	3	1	2	1	...	...	...	24	...	...	1·35	·95
B	Mandvi	1	10	29	23	12	2	2	4	1	4	4	3	...	...	95	...	...	2·86	2·98
	Chukla	...	1	8	10	9	2	7	2	...	...	1	3	...	...	43	...	...	1·77	1·52
	Umarkhadi	1	5	9	35	22	3	3	4	1	1	...	3	...	...	87	...	...	1·90	2·34
	Dongri	...	1	9	7	6	...	7	5	1	...	2	1	...	...	39	...	...	1·43	2·09
C	Market	1	2	2	10	9	10	2	3	6	7	1	2	...	...	55	...	...	1·82	1·98
	Dhobi Talao	1	1	4	6	10	3	6	4	1	2	2	3	...	...	43	...	...	1·11	1·73
	Panaswadi	...	...	2	2	8	6	7	3	1	1	2	...	...	...	32	...	...	1·16	1·86
	Bhuleshwar	1	3	7	8	12	7	5	5	1	2	3	2	...	...	56	...	...	1·53	2·00
	Khara Talao	1	...	5	14	8	2	3	2	...	..	...	...	...	...	35	...	...	1·52	1·87
	Kumbharwada	3	2	...	8	6	4	1	...	2	...	...	...	...	...	28	...	...	1·01	3·12
D	Khetwadi	2	1	4	11	8	5	6	5	3	...	2	...	...	...	47	...	...	1·47	1·12
	Girgaum	3	4	2	4	10	6	6	2	3	2	1	2	...	...	45	...	...	1·46	1·13
	Chowpati	1	...	1	3	...	3	5	...	...	...	1	...	...	...	14	...	...	1·22	·78
	Walkeshwar	...	5	9	5	7	10	1	5	2	1	1	...	...	...	46	...	...	4·32	1·22
	Mahalakshmi	...	1	8	5	8	3	14	1	4	1	...	...	...	...	45	...	...	1·71	2·62
E	Mazagon	1	...	5	19	8	5	1	3	1	2	1	...	...	...	46	...	...	1·52	2·72
	Tarwadi	2	...	24	10	13	6	4	...	3	...	...	1	...	...	63	...	...	2·21	2·39
	2nd Nagpada	1	2	5	2	3	1	...	...	...	1	1	...	...	...	16	...	...	·73	1·10
	Kamathipura	1	3	6	16	18	3	5	8	3	...	1	1	...	...	65	...	...	2·42	1·63
	Tardeo...	...	...	2	8	20	7	8	6	8	2	2	...	...	...	63	...	...	2·26	1·44
	Byculla	1	3	11	31	14	6	4	15	13	4	6	6	...	...	113	...	...	1·49	1·99
	1st Nagpada	1	1	2	...	...	...	1	...	...	...	...	...	...	...	5	...	...	·77	·93
F	Parel	4	3	13	17	7	5	7	4	2	...	1	1	...	...	64	...	...	1·40	2·35
	Sewri	4	1	22	4	1	1	1	...	1	1	...	1	...	...	37	...	...	1·94	2·62
	Sion	3	5	2	7	8	7	14	8	3	...	2	1	...	...	60	...	...	1·95	2·24
G	Mahim	...	13	29	44	20	5	2	...	...	4	2	1	...	...	120	...	...	3·93	2·82
	Worli	3	7	25	25	19	7	4	4	3	4	1	7	...	...	109	...	...	1·21	2·54
	Harbour, Docks, Railway, and Homeless	...	...	...	...	1	...	1	1	...	...	...	...	...	...	3	...	...	·06	·06
	Total	47	97	269	359	306	141	137	114	72	71	50	43	1,229	477	1,706	1·91	1·40	1·74	2·01

TABLE of Deaths registered from MALARIA by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	...	...	...	3	2	...	...	...	...	...	...	1	...	...	6	...	...	3·85	1·28
	Middle and Lower Colaba	...	...	...	...	1	...	1	...	...	...	...	...	...	...	2	...	...	·10	·50
	Fort, South	1	2	1	1	5	3	1	...	2	1	...	1	...	...	18	...	...	5·19	1·15
	Fort, North	1	...	1	2	1	...	...	1	...	2	2	...	...	...	10	...	...	·89	·70
	Esplanade	...	1	2	1	2	3	1	...	3	2	3	1	...	...	19	...	...	1·06	1·46
B	Mandvi	1	...	...	...	2	...	...	1	1	1	1	...	...	...	7	...	...	·21	·42
	Chukla	...	...	...	...	...	1	...	1	1	1	1	...	...	...	5	...	...	·20	·24
	Umarkhadi	...	1	2	2	2	...	...	...	...	3	1	...	...	...	11	...	...	·24	·32
	Dongri	...	...	2	...	1	...	...	...	...	...	...	...	...	...	3	...	...	·11	·36
C	Market	1	1	...	2	...	2	...	1	1	1	1	1	...	...	11	...	...	·36	·33
	Dhobi Talao	...	...	1	3	1	...	...	1	...	...	3	1	...	...	10	...	...	·25	·36
	Fanaswadi	1	...	1	...	...	1	...	...	1	...	...	...	...	...	4	...	...	·14	·18
	Bhuleshwar	...	...	...	...	...	1	...	3	1	1	...	...	...	...	6	...	...	·16	·18
	Khara Talao	...	1	...	...	1	...	...	1	...	...	1	...	...	...	4	...	...	·17	·26
	Kumbharwada	...	1	1	...	1	...	...	...	...	...	...	...	...	...	3	...	...	·10	·14
D	Khetwadi	...	1	3	1	...	...	1	1	...	3	...	...	...	...	10	...	...	·31	·25
	Girgaum	1	...	1	2	...	1	...	...	...	...	...	1	...	...	6	...	...	·19	·19
	Chowpati	...	...	...	...	...	...	1	...	1	...	1	...	...	...	3	...	...	·26	·36
	Walkeshwar	...	...	...	1	...	1	...	...	...	...	1	2	...	...	5	...	...	·46	·38
	Mahalakshmi	...	1	...	...	...	...	...	1	...	...	1	2	...	...	5	...	...	·19	·15
E	Mazagon	...	1	1	...	1	2	...	1	...	...	...	2	...	...	8	...	...	·35	·19
	Tarwadi	1	3	...	1	1	3	4	1	2	3	3	2	...	...	24	...	...	·84	·66
	2nd Nagpada	1	...	...	...	...	1	...	...	...	...	...	...	...	...	2	...	...	·69	·18
	Kamathipura	...	...	...	...	...	...	...	...	...	2	1	1	...	...	4	...	...	·10	·08
	Tardeo	...	...	...	...	1	...	...	...	...	...	1	...	...	...	2	...	...	·07	·18
	Byculla	1	2	1	...	1	1	...	2	2	2	2	1	...	...	15	...	...	·19	·15
	1st Nagpada	...	...	...	...	...	...	1	1	...	...	...	...	...	...	2	...	...	·31	·15
F	Parel	1	1	2	2	1	2	...	1	1	2	1	2	...	...	16	...	...	·35	·20
	Sewri	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	·05	·15
	Sion	...	...	...	...	...	2	...	2	2	5	2	5	...	...	18	...	...	·58	·13
G	Mahim	1	...	...	...	...	...	1	...	...	1	...	...	...	...	3	...	...	·09	·09
	Worli	2	...	1	1	2	1	...	1	1	3	...	1	...	...	13	...	...	·14	·06
	Harbour, Docks, Railway, and Homeless	...	...	...	...	1	...	1	...	...	4	...	...	...	...	6	...	...	·13	·11
	Total	13	16	20	22	27	25	12	20	20	37	26	24	184	78	262	·28	·54	·26	·26

TABLE of Deaths registered from ENTERIC FEVER by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Females.	Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	1	...	1	...	...	...	1	...	...	...	...	...	...	...	2	...	...	1·92	1·28
	Middle and Lower Colaba	...	...	2	...	...	2	2	...	1	...	...	...	...	...	7	...	...	·35	·25
	Fort, South	1	...	...	...	...	2	1	...	1	...	...	1	...	...	6	...	...	1·73	1·15
	Fort, North	...	2	2	...	1	2	3	...	2	...	...	...	...	...	12	...	...	·47	·55
	Esplanade	1	...	1	3	...	2	2	...	...	2	...	3	...	...	14	...	...	·78	·67
B	Mandvi	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·03	·12
	Chukla	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·04	·04
	Umarkhadi	...	...	1	1	...	...	...	3	...	1	...	...	...	...	6	...	...	·13	·10
	Dongri	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	·03	·07
C	Market	2	...	...	...	1	3	...	...	1	...	...	...	...	...	7	...	...	·23	·16
	Dhobi Talao	...	...	1	1	1	5	3	3	2	...	...	...	...	...	14	...	...	·36	·31
	Fanaswadi	...	...	...	...	...	1	1	...	...	...	1	...	...	...	3	...	...	·10	·25
	Bhuleshwar	...	...	...	...	1	1	1	1	1	...	1	...	...	...	6	...	...	·16	·08
	Khara Talao	1	...	...	...	...	...	1	1	...	...	1	...	...	...	4	...	...	·17	·08
	Kumbharwada	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	·03	·03
D	Khetwadi	1	1	1	...	...	3	1	2	...	...	1	...	...	...	10	...	...	·31	·28
	Girgaum	...	1	...	...	...	4	2	1	1	1	...	1	...	...	11	...	...	·35	·25
	Chowpati	...	...	...	...	...	4	1	1	2	...	...	...	...	...	8	...	...	·70	·43
	Walkeshwar	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	·09	.....
	Mahalakshmi	1	...	2	...	...	1	...	...	...	...	1	...	...	...	5	...	...	·19	·26
E	Mazagon	1	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	·06	·16
	Tarwadi	...	...	1	1	2	...	2	1	1	...	...	...	...	...	8	...	...	·28	·17
	2nd Nagpada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·09
	Kamathipura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·02
	Tardeo	...	1	1	...	1	1	1	...	1	1	...	...	...	...	7	...	...	·25	·14
	Byculla	1	...	...	...	...	1	2	3	...	...	1	...	...	...	8	...	...	·10	·07
	1st Nagpada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·15
F	Parel	...	...	...	...	...	1	...	1	1	...	...	...	...	...	3	...	...	·06	·04
	Sewri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Sion	...	...	...	1	...	...	...	1	...	1	...	...	...	...	3	...	...	·09	·13
G	Mahim	1	1	1	...	...	...	2	2	...	1	...	...	...	...	8	...	...	·26	·06
	Worli	...	...	1	1	1	...	...	...	1	...	...	3	...	...	7	...	...	·07	·05
	Harbour, Docks, Railway and Homeless	...	...	...	...	1	...	...	...	...	1	...	1	...	...	3	...	...	·06	·11
	Total	11	6	16	8	10	33	28	20	15	8	6	9	123	47	170	·19	·13	·17	·14

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TABLE of Deaths registered from FEVERS (excluding MALARIA and ENTERIC FEVER) by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·64	1·92
	Middle and Lower Colaba	...	...	...	...	3	3	3	3	...	...	2	3	...	...	17	...	...	·86	1·67
	Fort, South	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	·28	1·15
	Fort, North	4	2	3	9	5	6	3	3	3	2	6	2	...	...	48	...	...	1·88	2·95
	Esplanade	4	1	1	...	2	1	3	2	2	1	3	3	...	..	23	...	...	1·29	4·67
B	Mandvi	6	3	5	3	10	2	5	3	6	6	3	6	...	...	63	...	...	1·89	2·40
	Chukla	1	2	2	...	3	2	1	...	2	4	1	4	...	...	22	...	...	·90	1·69
	Umarkhadi	8	7	16	17	19	7	12	8	7	11	9	4	...	...	126	...	...	2·79	2·67
	Dongri	7	6	3	14	7	3	3	5	5	6	3	5	...	...	67	...	...	2·46	2·82
C	Market	6	1	3	1	3	6	3	2	2	4	4	2	...	...	42	...	...	1·39	1·62
	Dhobi Talao	4	2	3	5	9	9	4	7	...	5	2	2	...	...	52	...	...	1·34	1·49
	Fanaswadi	2	...	5	5	2	13	5	3	5	...	4	3	...	...	47	...	...	1·71	1·56
	Bhuleshwar	4	4	2	6	6	4	6	7	2	7	2	2	...	...	52	...	...	1·42	1·26
	Khara Talao	2	2	2	1	2	1	2	1	...	2	4	6	...	...	25	...	...	1·08	2·08
	Kumbharwada	2	1	2	3	1	1	9	8	4	8	11	10	...	...	60	...	...	2·16	1·76
D	Khetwadi	4	4	5	3	3	8	10	5	6	5	7	9	...	...	69	...	...	2·16	1·37
	Girgaum	7	3	15	6	11	13	12	7	12	3	6	9	...	...	104	...	...	3·37	1·75
	Chowpati	2	...	2	1	3	5	1	1	3	2	2	...	...	...	22	...	...	1·93	1·05
	Walkeshwar	2	...	1	2	1	2	1	1	...	2	3	5	...	...	20	...	...	1·37	·75
	Mahalakshmi	1	...	...	...	3	3	3	2	3	1	1	3	...	...	20	...	...	·76	1·71
E	Mazagon	15	14	12	10	4	5	3	5	...	2	2	11	...	...	83	...	...	2·75	5·75
	Tarwadi	3	20	11	9	2	...	6	1	2	1	3	5	...	...	63	...	...	2·21	6·08
	2nd Nagpada	5	2	2	2	6	5	1	3	5	2	2	5	...	...	36	...	...	1·65	2·53
	Kamathipura	1	4	11	13	16	4	12	12	9	6	13	14	...	...	116	...	...	3·16	3·31
	Tardeo	2	1	2	2	2	1	1	1	1	2	1	...	...	...	16	...	...	·57	2·16
	Byculla	3	5	4	11	19	5	7	6	10	4	3	3	...	...	80	...	...	1·06	2·29
	1st Nagpada	...	...	...	1	...	2	1	...	...	...	...	...	...	...	4	...	...	·62	1·71
F	Parel	12	5	13	34	16	20	18	8	28	10	10	14	...	...	183	...	...	4·02	3·67
	Sewri	5	7	12	15	10	6	3	4	6	6	6	7	...	...	87	...	...	4·56	3·67
	Sion	4	3	6	11	10	3	11	9	4	4	13	9	...	...	92	...	...	2·99	2·37
G	Mahim	5	2	7	7	12	4	9	11	3	7	9	6	...	...	87	...	...	2·85	1,75
	Worli	21	14	30	17	22	12	34	27	23	21	30	27	...	...	278	...	...	3·10	2·64
	Harbour, Docks, Railways and Homeless	2	1	2	...	...	1	...	1	1	1	2	1	...	...	12	...	...	·26	·35
	Total	142	121	183	208	212	155	196	161	154	136	166	180	1,237	780	2,017	1·93	2·29	2·09	2·39

TABLE of Deaths registered from DIARRHŒA and DYSENTERY by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	1	1	4	...	1	1	...	1	3	1	1	...	...	...	14	...	...	8·98	6·42
	Middle and Lower Colaba	2	3	1	1	3	2	...	3	3	4	4	3	...	...	39	...	...	1·47	1·98
	Fort, South	...	2	3	3	2	1	3	3	1	5	6	3	...	...	29	...	...	8·37	4·33
	Fort, North	4	8	7	2	3	3	9	6	11	4	2	5	...	...	64	...	...	2·51	2·48
	Esplanade	3	3	5	6	6	8	8	5	5	5	9	4	...	...	67	...	...	3·77	5·01
B	Mandvi	3	3	1	4	3	1	1	7	3	6	8	4	...	...	44	...	...	1·35	2·01
	Chukla	1	2	5	2	2	5	5	4	2	5	3	5	...	...	41	...	...	1·69	2·10
	Umarkhadi	15	13	10	13	16	17	9	12	17	18	14	11	...	...	165	...	...	3·61	3·02
	Dongri	1	7	4	4	4	3	3	3	5	3	2	1	...	...	40	...	...	1·42	3·00
C	Market	1	4	3	2	...	2	2	8	4	1	3	8	...	...	38	...	...	1·35	1·62
	Dhobi Talao	7	3	2	5	7	7	5	11	8	10	5	9	...	...	79	...	...	2·04	2·22
	Fanaswadi	6	3	2	6	3	5	6	6	4	6	2	10	...	...	59	...	...	2·15	1·93
	Bhuleshwar	5	6	9	11	5	8	13	12	7	9	7	4	...	...	96	...	...	2·63	3·53
	Khara Talao	4	4	5	7	4	5	4	6	4	3	5	2	...	...	53	...	...	2·34	3·13
	Kumbharwada	1	6	4	7	8	2	4	4	9	5	4	6	...	...	60	...	...	2·16	2·63
D	Khetwadi	3	2	4	4	2	...	6	7	3	3	6	7	...	...	47	...	...	1·47	1·65
	Girgaum	2	4	1	7	2	4	4	2	8	2	2	4	...	...	42	...	...	1·36	1·42
	Chowpati	...	2	...	1	1	3	...	...	...	2	1	5	...	...	15	...	...	1·31	1·66
	Walkeshwar	2	2	...	...	1	1	2	4	2	1	...	3	...	...	18	...	...	1·67	1·50
	Mahalakshmi	7	3	1	4	4	6	8	15	9	5	5	8	...	...	75	...	...	2·85	3·11
E	Mazagon	7	13	17	11	25	11	14	16	14	16	18	14	...	...	176	...	...	5·85	4·55
	Tarwadi	11	9	16	11	24	21	17	29	30	17	11	14	...	...	210	...	...	7·38	7·59
	2nd Nagpada	3	1	1	1	2	3	2	3	7	3	4	2	...	...	33	...	...	1·52	3·91
	Kamathipura	8	12	8	5	5	8	10	7	5	12	9	11	...	...	100	...	...	2·72	3·56
	Tardeo	2	3	3	11	5	5	2	6	11	5	9	16	...	...	78	...	...	2·81	4·14
	Byculla	15	18	22	12	29	22	23	24	20	20	18	21	...	...	239	...	...	3·17	4·89
	1st Nagpada	...	...	1	...	1	...	...	1	1	1	3	...	...	...	8	...	...	1·24	2·65
F	Parel	5	4	7	5	5	5	9	18	14	7	7	7	...	...	93	...	...	2·04	2·90
	Sewri	5	4	2	4	5	4	4	3	7	6	8	8	...	...	55	...	...	2·88	4·03
	Sion	5	5	4	11	6	8	10	28	14	14	12	11	...	...	128	...	...	4·17	3·78
G	Mahim	8	4	10	4	6	10	23	21	19	10	12	18	...	...	145	...	...	4·75	4·68
	Worli	19	9	9	18	26	19	34	30	23	23	11	21	...	...	242	...	...	2·68	3·06
	Harbour, Docks, Railway and Homeless	...	...	2	1	1	...	1	...	1	1	2	...	...	...	9	...	...	·20	·31
	Total	156	163	173	183	218	200	240	305	274	231	203	245	1,450	1,141	2,591	2·26	3·36	2·64	3·15

TABLE of Deaths registered from TUBERCLE OF LUNGS and TUBERCULAR DISEASES by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	2	...	...	1	1	2	2	1	1	...	1	1	...	...	13	...	...	7·70	4·49
	Middle and Lower Colaba	3	3	4	4	2	3	1	3	5	3	6	1	...	...	38	...	...	1·93	1·16
	Fort, South	4	2	6	5	4	3	3	4	9	1	5	4	...	...	50	...	...	14·44	4·62
	Fort, North	12	11	11	8	3	6	7	8	8	18	10	12	...	...	114	...	...	4·48	2·87
	Esplanade	6	8	5	4	7	6	4	7	6	5	7	4	...	...	69	...	...	3·88	3·26
B	Mandvi	10	8	7	6	5	7	9	5	5	3	6	9	...	...	80	...	...	2·40	2·49
	Chukla	5	3	8	7	5	4	7	8	2	5	3	3	...	...	60	...	...	2·47	3·87
	Umarkhadi	9	7	8	4	5	7	10	8	5	3	12	14	...	...	92	...	...	2·01	3·87
	Dongri	...	...	1	2	...	1	3	1	3	...	...	1	...	...	12	...	...	·44	1·79
C	Market	4	3	3	5	...	3	4	5	3	5	6	4	...	...	45	...	...	1·49	1·45
	Dhobi Talao	3	3	5	4	4	5	4	3	6	6	6	5	...	...	59	...	...	1·52	1·55
	Fanaswadi	4	4	5	2	3	3	7	3	5	5	2	3	...	...	51	...	...	1·89	1·31
	Bhuleshwar	3	7	3	1	5	1	4	2	3	4	3	2	...	...	38	...	...	1·04	1·17
	Khara Talao	1	...	6	7	3	7	9	4	7	5	3	4	...	...	61	...	...	2·65	3·30
	Kumbharwada	2	5	3	2	10	3	4	5	5	3	6	3	...	...	61	...	...	2·20	2·63
D	Khetwadi	6	1	3	14	2	2	3	4	7	7	10	3	...	...	72	...	...	2·25	3·00
	Girgaum	5	9	10	4	3	7	6	3	11	9	6	5	...	...	88	...	...	2·69	2·63
	Chowpati	4	1	2	2	2	...	1	1	3	5	3	7	...	...	31	...	...	2·74	2·28
	Walkeshwar	2	3	3	2	2	2	3	2	1	1	2	...	...	...	23	...	...	2·16	1·59
	Mahalakshmi	3	3	7	1	7	5	...	3	7	5	4	5	...	...	60	...	...	2·28	1·90
E	Mazagon	...	1	1	1	2	1	1	1	...	1	1	...	...	...	10	...	...	·38	·79
	Tarwadi	11	11	5	11	10	5	5	11	9	11	6	6	...	...	101	...	...	3·55	3·34
	2nd Nagpada	12	12	13	11	13	13	12	5	10	7	3	5	...	...	116	...	...	5·34	3·91
	Kamathipura	20	17	21	26	13	16	17	11	20	14	13	23	...	...	216	...	...	5·85	5·03
	Tardeo	11	5	10	5	9	8	9	10	11	15	9	15	...	...	117	...	...	4·21	3·27
	Byculla	9	8	10	8	8	3	9	7	7	5	5	7	...	...	81	...	...	1·07	1·36
	1st Nagpada	...	3	4	2	...	1	...	1	2	1	1	1	...	...	16	...	...	2·49	2·49
F	Parel	2	6	3	2	3	2	2	6	3	4	4	2	...	...	39	...	...	·85	1·09
	Sewri	...	...	1	1	2	1	3	...	2	...	2	...	...	...	12	...	...	·62	·85
	Sion	5	3	1	3	6	4	9	11	5	15	13	11	...	...	86	...	...	2·80	1·10
G	Mahim	1	2	3	4	7	4	6	4	5	...	3	6	...	...	45	...	...	1·47	1·77
	Worli	15	12	14	11	23	12	5	14	12	9	17	15	...	...	160	...	...	1·78	1·64
	Harbour, Docks, Railways and Homeless	...	...	1	1	...	...	1	...	1	...	2	2	...	...	8	...	...	·17	·13
	Total	179	153	192	171	179	157	176	171	189	175	185	188	1,042	1,076	2,118	1·62	3·17	2·16	2·13

TABLE of Deaths registered from RESPIRATORY DISEASES (excluding Phthisis) by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba ...	2	1	6	6	4	1	2	2	2	3	...	1	...	...	30	...	...	19·26	10·91
	Middle and Lower Colaba	3	9	13	10	9	10	13	12	14	16	11	7	...	...	132	...	...	6·70	6·96
	Fort, South ...	6	6	1	2	5	6	...	4	6	5	7	...	...	...	48	...	...	13·86	6·06
	Fort, North ...	22	19	19	22	17	24	26	15	29	28	15	23	...	...	259	...	...	10·19	7·67
	Esplanade ...	24	13	29	14	11	13	7	9	13	11	9	16	...	...	168	...	...	9·45	6·86
B	Mandvi ...	37	50	40	31	21	30	28	37	33	29	32	39	...	...	407	...	...	12·25	11·44
	Chukla ...	30	24	23	23	26	21	21	24	27	22	30	39	...	...	310	...	...	12·78	11·47
	Umarkhadi ...	58	53	82	68	70	51	52	48	49	40	44	73	...	...	688	...	...	15·06	12·08
	Dongri ...	34	26	22	23	22	19	30	24	28	17	21	18	...	...	289	...	...	10·60	10·60
C	Market ...	24	22	30	27	24	27	19	19	25	24	25	29	...	...	295	...	...	9·77	7·35
	Dhobi Talao ...	35	29	40	42	39	25	31	30	27	30	36	35	...	...	399	...	...	10·31	8·40
	Panaswadi ...	22	17	27	15	25	26	29	17	21	21	30	35	...	...	275	...	...	1·03	7·33
	Bhuleshwar ...	42	37	45	26	42	44	30	26	31	35	38	38	...	...	434	..	...	11·90	10·28
	Khara Talao ...	25	29	25	22	27	17	30	19	27	23	26	22	...	...	289	...	...	12·57	10·09
	Kumbharwada ...	33	43	55	24	38	30	39	27	24	33	24	46	...	...	411	...	...	14·83	10·25
D	Khetwadi ...	25	26	34	22	19	18	17	20	21	17	18	28	...	...	265	...	...	8·29	7·64
	Girgaum ...	30	25	31	26	20	25	25	25	21	27	21	24	...	...	300	...	...	9·74	7·86
	Chowpati ...	5	10	9	10	5	4	7	6	8	1	8	11	...	...	84	...	...	7·37	5·61
	Walkeshwar ...	8	7	1	9	6	9	4	8	6	7	9	4	...	...	78	...	...	7·33	5·92
	Mahalakshmi ...	17	19	21	27	18	13	13	15	30	18	19	28	...	...	238	...	...	9·04	6·50
E	Mazagon ...	29	30	46	46	47	38	42	28	36	32	32	32	...	...	438	...	...	14·56	9·44
	Tarwadi ...	40	32	50	44	38	22	30	29	47	29	37	40	...	...	438	...	...	15·40	11·46
	2nd Nagpada ...	29	28	39	29	24	26	17	24	24	36	14	21	...	...	311	...	...	14·79	11·84
	Kamathipura ...	42	35	61	42	58	31	31	47	42	32	41	40	...	...	502	...	...	13·65	11·21
	Tardeo ...	19	24	49	36	25	27	27	28	30	22	25	22	...	...	329	...	...	11·85	7·03
	Byculla ...	113	89	147	124	101	67	76	81	89	74	65	87	...	...	1,113	...	...	14·77	11·78
	1st Nagpada ...	6	3	8	7	5	3	3	4	2	6	2	4	...	...	53	...	...	8·25	8·25
F	Parel	46	39	65	54	64	47	61	57	61	36	28	41	...	...	599	...	...	13·17	8·31
	Sewri	17	14	25	21	21	20	21	33	23	18	17	17	...	...	267	...	...	13·47	7·97
	Sion	21	24	36	35	27	18	31	23	27	32	22	28	...	...	324	...	...	10·56	6·91
G	Mahim	23	44	66	43	36	42	32	23	20	22	28	34	...	...	413	...	...	13·54	9·60
	Worli	79	95	127	114	104	57	81	78	82	71	65	78	...	...	1,031	...	...	11·50	8·84
	Harbour, Docks, Railway and Homeless ...	1	6	6	...	2	...	1	1	...	3	...	4	...	...	24	...	...	·53	37
	Total ...	950	923	1,278	1,059	995	811	876	838	924	819	789	964	6,567	4,664	11,231	10	13·75	11·46	8·87

TABLE of Deaths registered from INJURIES by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of Population. Males.	Females.	Total.	Mean Ratio per 1,000 of Population during the previous 5 years.
A	Upper Colaba	...	1	1	...	1	...	...	1	...	...	...	...	...	...	4	...	...	2·56	7·70
	Middle and Lower Colaba	1	5	1	2	2	1	5	1	2	...	...	...	...	...	20	...	...	1·01	·60
	Fort, South	1	1	1	2	...	1	1	1	...	...	1	...	...	...	9	...	...	2·59	6·35
	Fort, North	3	3	1	1	3	1	...	1	2	1	3	1	...	...	20	...	...	·78	·82
	Esplanade	1	4	9	21	4	5	3	7	6	3	5	...	...	...	68	...	...	3·82	2·58
B	Mandvi	1	3	5	4	1	1	...	1	1	...	...	3	...	...	20	...	...	·60	·42
	Chukla	2	1	...	...	1	...	1	1	...	...	1	...	...	...	7	...	...	·28	·45
	Umarkhadi	2	1	3	2	2	1	3	3	2	...	4	2	...	...	25	...	...	·54	·54
	Dongri	3	1	...	1	2	1	...	1	1	1	2	2	...	...	15	...	...	·55	·62
C	Market	3	2	1	2	2	...	2	3	1	1	...	2	...	...	18	...	...	·59	·53
	Dhobi Talao	1	2	3	1	2	2	3	...	2	4	2	3	...	...	30	...	...	·77	·50
	Panaswadi	1	1	2	3	1	1	2	...	1	...	2	3	...	...	17	...	...	·62	·36
	Bhuleshwar	4	...	1	2	1	2	1	...	1	1	4	3	...	...	20	...	...	·64	·52
	Khara Talao	...	...	1	2	2	...	1	1	2	1	...	...	...	...	10	...	...	·43	·65
	Kumbharwada	1	1	...	3	2	1	2	6	2	3	1	5	...	...	27	...	...	·97	·54
D	Khetwadi	2	2	...	...	1	1	3	4	...	1	1	1	...	...	16	...	...	·50	·63
	Girgaum	2	1	3	1	1	1	...	...	...	1	2	1	...	...	13	...	...	·42	·38
	Chowpati	...	4	...	...	1	1	1	...	3	...	1	...	...	...	11	...	...	·96	·61
	Walkeshwar	...	...	...	1	2	1	2	2	...	1	...	...	...	...	9	...	...	·84	·65
	Mahalakshmi	...	...	2	4	...	2	4	1	2	...	...	1	...	...	16	...	...	·60	·41
E	Mazagon	1	2	1	2	...	1	2	1	1	1	1	3	...	...	16	...	...	·53	·66
	Tarwadi	11	...	2	5	1	4	3	1	3	4	9	4	...	...	47	...	...	1·65	2·67
	2nd Nagpada	...	1	...	...	...	...	1	...	1	1	1	1	...	...	6	...	...	·27	·64
	Kamathipura	2	3	5	1	1	1	1	5	1	...	2	4	...	...	25	...	...	·68	·57
	Tardeo	2	1	1	1	...	...	...	2	1	2	...	...	...	...	10	...	...	·36	·46
	Byculla	2	4	7	3	1	2	2	3	3	3	4	1	...	...	35	...	...	·46	·53
	1st Nagpada	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2	...	...	·31	·93
F	Parel	2	2	2	...	2	2	2	...	1	3	1	3	...	...	20	...	...	·43	·50
	Sewri	2	2	...	1	2	2	...	1	2	...	1	1	...	...	14	...	...	·78	·52
	Sion	1	4	2	5	3	2	3	2	1	2	3	4	...	...	31	...	...	1·01	·68
G	Mahim	1	2	1	...	1	3	...	2	2	...	1	2	...	...	15	...	...	·49	·65
	Worli	2	5	6	5	3	3	9	...	4	4	4	4	...	...	54	...	...	·60	·44
	Harbour, Docks, Railway and Homeless	2	3	5	4	1	3	2	1	...	1	1	1	...	...	24	...	...	·53	·53
	Total	55	63	69	76	53	48	60	53	46	39	57	55	503	171	674	·78	·50	·68	·67

TABLE of Deaths registered from OTHER CAUSES by Section and Month in 1917.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.			Death Ratio per 1,000 of Population.			Mean Ratio per 1,000 of Population during the previous 5 years.
														Males.	Females.	Total.	Males.	Females.	Total.	
A	Upper Colaba	1	3	6	6	2	3	2	2	5	3	4	3	...	...	40	...	...	25·69	18·62
	Middle and Lower Colaba	14	10	14	7	11	10	14	13	22	11	7	16	...	...	149	...	...	7·57	7·87
	Fort, South	5	6	6	5	2	4	1	8	2	3	6	10	...	...	58	...	...	16·75	7·22
	Fort, North	20	26	29	17	27	22	16	28	24	35	30	26	...	...	300	...	...	11·81	12·00
	Esplanade	13	20	26	14	19	15	13	18	17	15	18	17	...	...	205	...	...	11·54	8·38
B	Mandvi	29	28	32	19	22	17	32	25	26	28	27	33	...	...	313	...	...	9·42	9·90
	Chukla	28	22	26	31	25	8	26	23	26	25	31	28	...	...	299	...	...	12·33	13·28
	Umarkhadi	64	63	73	68	44	54	41	73	58	61	42	73	...	...	709	...	...	15·52	15·91
	Dongri	19	12	14	17	11	11	15	20	22	21	16	20	...	...	198	...	...	7·26	9·02
C	Market	22	26	25	15	17	12	15	24	25	23	20	28	...	...	250	...	...	8·38	7·75
	Dhobi Talao	42	29	39	33	34	48	34	40	34	31	33	51	...	...	448	...	...	11·58	11·47
	Fanaswadi	24	20	29	18	28	17	23	32	45	28	27	33	...	...	324	...	...	11·82	10·32
	Bhuleshwar	26	29	42	39	46	35	33	47	35	30	34	45	...	...	441	...	...	12·09	12·75
	Khara Talao	26	31	35	44	32	33	49	42	32	32	43	30	...	...	429	...	...	18·66	16·71
	Kumbharwada	28	26	39	17	39	18	27	32	27	18	29	37	...	...	337	...	...	12·16	12·59
D	Khetwadi	33	25	27	37	38	32	29	38	30	33	35	39	...	...	396	...	...	12·39	11·17
	Girgaum	44	42	32	29	24	28	25	28	22	28	23	33	...	...	358	...	...	11·63	11·89
	Chowpati	20	16	9	8	9	12	9	12	9	10	14	12	...	...	140	...	...	13·28	11·14
	Walkeshwar	11	15	11	7	10	3	14	6	11	6	15	10	...	...	119	...	...	11·18	10·05
	Mahalakshmi	22	14	24	22	26	19	21	25	37	28	21	26	...	...	285	...	...	10·83	9·65
E	Mazagon	20	23	29	25	25	15	28	41	31	36	30	23	...	...	326	...	...	10·83	9·64
	Tarwadi	40	22	44	38	43	29	36	46	45	50	35	38	...	...	456	...	...	16·04	15·44
	2nd Nagpada	40	30	30	26	23	23	43	37	40	31	36	37	...	...	395	...	...	18·20	17·28
	Kamathipura	32	32	44	60	48	36	51	44	42	41	34	33	...	...	492	...	...	13·38	14·06
	Tardeo	19	25	23	24	26	15	30	30	27	33	23	32	...	...	307	...	...	11·05	12·53
	Byculla	85	73	66	78	105	101	152	146	148	147	145	136	...	...	1,383	...	...	18·35	13·32
	1st Nagpada	8	5	9	8	5	6	9	11	9	2	7	8	...	...	87	...	...	13·56	11·22
F	Parel	46	32	51	46	52	35	43	53	61	53	43	47	...	...	542	...	...	11·91	9·34
	Sewri	24	9	17	25	17	17	21	20	25	24	18	23	...	...	239	...	...	12·53	9·88
	Sion	37	21	32	37	35	45	50	47	50	43	45	42	...	...	484	...	...	15·74	12·48
G	Mahim	32	30	31	33	27	41	50	39	39	32	41	25	...	...	420	...	...	13·77	10·59
	Worli	91	80	92	68	88	65	112	115	111	118	74	94	...	...	1,108	...	...	13·36	9·40
	Harbour, Docks, Railway and Homeless	1	1	2	1	3	4	2	4	4	3	2	3	...	...	33	...	...	·73	·55
	Total ...	969	846	1,008	907	938	832	1,066	1,169	1,139	1,077	1,009	1,110	6,203	5,867	12,070	9·68	17·29	12·32	11·11

COMPARATIVE TABLE of Deaths from some of the PRINCIPAL CAUSES during 1917 and the preceding 5 years.

YEAR.	Cholera.		Small-pox.		Measles.		Plague.		Malaria.		Enteric Fever.		Other Fevers.		Diarrhœa and Dysentery.		Tubercle of Lungs including other Tubercular Diseases.		Respiratory Diseases.		Injuries.		All other Causes.		Total Deaths.	
	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.
1912 ...	1,790	1·83	979	·99	210	·21	1,717	1·75	360	·36	152	·15	3,073	3·13	4,544	4·63	2,794	2·85	9,686	9·88	680	·69	12,969	13·24	38,954	39·77
1913 ...	125	·12	212	·21	222	·22	2,609	2·66	261	·26	154	·15	2,628	2·68	3,173	3·23	2,152	2·19	8,604	8·78	660	·67	11,006	11·23	31,806	32·47
1914 ...	221	·22	252	·25	268	·26	2,941	3·00	213	·21	147	·15	2,517	2·56	3,102	3·16	1,889	1·92	8,734	8·91	608	·62	10,966	11·19	31,853	32·52
1915 ...	16	·01	359	·36	70	·07	599	·61	208	·21	109	·11	1,774	1·81	2,195	2·24	1,710	1·74	6,770	6·91	606	·61	9,265	9·45	23,681	24·17
1916 ..	141	·14	1,021	1·04	344	·35	1,987	2·02	238	·24	166	·17	1,735	1·77	2,420	2·47	1,902	1·94	9,649	9·85	762	·77	10,207	10·42	30,574	31·21
Mean of the preceding 5 years.	459	·46	565	·57	222	·22	1,971	2·01	256	·26	146	·14	2,345	2·39	3,087	3·15	2,089	2·13	8,689	8·87	663	·67	10,382	11·11	31,374	32·03
1917 ...	61	·06	289	·27	221	·22	1,706	1·74	262	·26	170	·17	2,017	2·09	2,591	2·64	2,118	2·16	11,231	11·46	674	·68	12,070	12·32	33,390	34·09

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SPECIFIC CAUSES of DEATHS in 1917 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London.

No.	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	GENERAL DISEASES.													
3	Blackwater Fever	2	...	...	...	...	...	...	...	...	2	...	...	4
4	Beri-beri	...	...	...	...	...	...	1	...	5	1	...	...	7
5	Cerebrospinal Fever	...	2	4	5	...	...	1	1	...	...	...	1	14
6	Chicken-pox	...	3	2	5	4	...	1	1	...	...	1	...	17
7	Cholera	6	...	1	...	1	1	8	1	7	20	7	9	61
10	Diphtheria	1	1	1	...	...	...	...	1	...	...	...	1	5
11	Dysentery	53	51	57	64	82	70	85	125	123	89	85	97	981
13	Enteric Fever	11	6	16	8	10	33	28	20	15	8	6	9	170
15	Erysipelas	1	2	...	1	2	3	2	...	4	...	1	...	16
20	Gonorrhœa	...	...	...	...	1	...	...	1	...	...	...	1	3
21	Influenza	...	...	3	2	...	...	...	...	...	...	...	...	5
22	Kala Azar	...	...	...	...	...	1	1	...	...	...	...	...	2
23	Leprosy	4	3	2	8	8	5	2	9	13	15	12	3	84
25	Malaria	13	16	20	22	27	25	12	20	20	37	26	24	262
	Ague and Remittent Fever	142	121	132	206	210	155	198	161	154	157	166	180	2,012
26	Measles	13	28	25	29	45	29	20	8	3	4	6	11	221
28	Mumps	...	...	...	...	...	...	1	...	...	...	...	...	1
29	Osteo-myelitis	...	...	...	1	...	...	2	...	...	...	...	...	3
31	Plague	47	97	269	359	306	141	137	114	72	71	50	43	1,706
33	Pyæmia	1	...	4	...	...	2	1	1	1	1	...	1	12
	Pyæmic Abscess	...	1	...	1	...	...	1	1	...	...	1	...	5
34	Pyrexia of uncertain origin	...	...	2	...	...	...	1	2	...	1	1	...	7
35	Hydrophobia	...	...	...	1	3	1	...	4	...	...	1	1	11
36	Relapsing Fever	...	...	1	2	2	...	...	...	...	...	...	...	5
37	Rheumatic Fever	1	1	3	1	...	...	3	1	...	3	1	1	15
	Rheumatism	2	4	5	4	3	2	1	7	...	6	4	7	45
39	Septicæmia	3	2	8	1	11	4	5	8	6	7	3	4	62
	" Puerperal	27	14	20	19	17	17	18	26	24	25	25	20	252
	Septic Fever	4	1	4	1	7	3	2	3	2	...	1	2	30
	Other Septic Diseases	2	2	1	8	5	2	3	5	3	2	2	2	37
41	Small-pox	9	14	49	57	37	44	22	9	10	6	3	9	269
42	Syphilis	6	6	9	6	3	2	4	6	11	2	4	3	62
	(*b*) " Secondary	...	1	...	...	...	2	...	...	...	...	...	1	4
	(*c*) " Inherited	...	...	...	...	1	2	...	2	...	...	...	...	5
	" Tertiary	2	...	...	2	...	2	...	1	...	...	2	3	12
	Other Syphilitic Diseases	3	1	1	1	4	...	...	2	2	...	2	2	18
	Lues	...	...	1	...	...	...	...	...	...	...	...	...	1
43	Tetanus	12	8	9	10	5	3	9	7	11	11	10	12	107
44	Tuberculosis	4	7	7	6	7	14	10	14	19	12	12	6	118
	Tubercle of Lungs	24	20	42	34	39	28	28	37	48	39	46	42	427
	Other Tubercular Diseases	14	9	10	11	6	5	13	9	13	12	13	10	125
	Scrofula	4	2	3	1	3	6	3	3	2	1	3	3	34
	Tabes Mesenterica	2	...	1	1	...	1	...	...	...	...	3	1	8
45	Typhus	...	...	...	1	...	...	...	...	...	...	...	...	1
47	Whooping-cough	...	1	2	3	...	...	3	...	2	1	1	1	14
50	Alcoholism	...	...	...	...	...	...	2	...	1	1	...	...	4
	Delirium Tremens	...	...	...	...	...	...	...	1	...	...	...	...	1
61	Anæmia	21	23	25	32	32	27	29	26	42	30	42	49	378
63	" Pernicious	3	5	3	2	3	7	5	5	2	12	3	1	51
66	Diabetes	3	3	2	3	3	5	4	1	2	3	1	6	33
	Diabetic Coma	...	...	...	1	1	1	...	1	1	...	...	1	6
	" Gangrene	...	...	...	...	1	1	...	...	1	1	...	...	4
	" Carbuncle	...	...	...	...	1	...	...	...	1	...	2	...	4
	" Gellulitis	...	...	...	1	...	...	...	...	...	...	...	...	1
70	Leucocythæmia	...	...	...	...	...	...	1	...	...	...	...	...	1
74	Osteo-arthritis	...	...	...	...	...	1	...	...	...	1	...	...	2
75	Purpura	...	...	...	...	...	...	...	...	...	1	...	...	1
76	Rickets	82	77	92	88	86	73	99	113	93	76	58	51	988
	Rachitis	...	...	...	...	...	1	...	...	...	...	...	...	1
77	Scurvy	1	...	2	...	1	2	2	2	1	...	2	2	15
80	New Growth, Malignant	...	...	...	3	3	...	1	...	...	1	2	1	11
81	Cyst	...	...	1	1	...	...	...	...	...	...	...	...	2
82	Worms	1	4	4	5	4	...	7	3	4	2	4	4	42
	Tumours	...	...	3	1	5	1	2	1	2	2	1	3	20
	Sarcoma	2	...	...	1	2	...	...	3	1	...	...	1	10
	Cancer	6	8	5	9	8	11	3	2	8	7	7	12	86
	Debility	201	161	181	141	170	137	238	284	295	279	237	265	2,579
	Old Age	192	174	185	131	120	132	140	174	178	203	164	198	1,991
	Operation	...	1	...	...	...	1	1	...	...	...	...	...	3
	Toxæmia	...	...	...	...	1	...	...	...	1	...	1	...	3

2[illegible]—*continued.*

SPECIFIC CAUSES of DEATHS in 1917 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

No.	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	DISEASES OF THE NERVOUS SYSTEM.													
86	(*a*) Neuritis	...	...	...	...	...	...	...	...	..	...	1	...	1
	(*b*) Polyneuritis	...	...	...	...	...	...	...	1	...	...	...	...	1
88	Meningitis	7	4	5	11	10	8	4	5	5	6	4	6	75
90	Myelitis	1	...	1	1	1	1	...	..	2	1	1	1	10
	(*b*) Acute Anterior Poliomyclitis	...	1	...	1	...	...	1	...	...	...	...	...	3
	4 (*d*) Locomotor Ataxia	2	...	...	...	...	...	...	...	1	...	...	...	3
	(*f*) Disseminated Sclerosis	...	...	...	...	...	...	...	...	...	...	1	...	1
97	Meningitis (Brain)	...	...	...	...	1	...	...	...	...	...	...	...	1
99	Encephalitis	...	1	...	...	...	...	...	...	...	...	1	...	2
100	Abscess (Brain)	...	...	...	1	1	...	...	...	1	...	...	...	3
	Brain Fever	...	...	...	1	...	...	...	...	...	...	...	...	1
101	Hæmorrhage (Brain)	11	6	9	9	9	2	7	7	5	5	5	1	76
102	Congestion (,,)	...	...	...	...	...	...	...	1	...	...	...	...	1
105	Lateral Sclerosis	...	...	..	...	...	...	...	...	...	...	1	...	1
108	Hydrocephalus	...	2	..	...	...	1	...	...	...	...	...	1	4
109	Apoplexy	3	3	3	2	1	1	2	3	...	5	1	5	29
110	Paralysis	9	...	2	6	3	3	3	5	9	1	2	4	47
	(*a*) Paraplegia	2	1	1	1	2	5	2	...	...	1	2	4	21
	(*b*) Hemiplegia	14	9	13	12	7	8	5	6	15	15	15	9	123
123	Convulsions	101	136	172	159	140	130	152	149	133	109	125	99	1,605
	,, Puerperal	1	1	2	1	4	2	2	4	1	1	...	1	20
124	Epilepsy	1	6	1	...	1	...	1	1	2	...	1	2	16
125	Laryngismus Stridulus	...	...	...	...	...	...	...	...	...	...	1	...	1
133	Hysteria	...	...	1	...	...	...	...	...	...	1	1	...	3
145	Mania Puerperal	...	...	...	...	...	...	...	...	...	1	...	...	1
146	Melancholia	...	...	...	...	...	1	...	...	...	...	...	...	1
147	Insanity	...	...	...	1	1	..	...	1	...	...	...	...	3
156	Alcoholic Insanity	...	...	...	...	...	...	...	...	...	...	...	1	1
165	Dementia	...	...	...	...	...	...	1	...	...	...	1	...	2
	Sciatica	...	...	...	...	...	...	...	...	...	1	...	...	1
	Neurosis	...	...	...	...	...	1	...	...	...	...	...	...	1
	DISEASES OF THE EYE, EAR & NOSE													
259	Otitis Media	...	...	...	...	...	...	...	...	...	...	...	1	1
265	Inflammation of Tympanum	1	...	...	1	...	...	...	...	..	...	...	...	2
	Mastoid Abscess	...	2	...	...	1	...	...	...	1	...	...	...	4
	Ear Complaint	...	...	...	..	...	...	...	...	...	2	...	...	2
	DISEASES OF THE CIRCULATORY SYSTEM.													
286	Pericarditis	...	...	...	...	...	...	1	...	...	...	...	...	1
289	Hydropericardium	...	...	...	...	...	...	1	...	...	...	...	...	1
292	Endocarditis	1	...	1	...	1	...	...	...	...	...	...	1	4
293	Valvular Disease	17	8	14	18	13	10	10	18	15	6	12	15	156
	(1) Mitral	...	2	...	...	1	...	4	3	1	3	...	...	14
	(2) Aortic	...	...	...	1	...	...	1	1	1	...	...	1	5
294	Myo-carditis	...	...	...	...	...	...	...	...	...	1	...	...	1
	Cardiac Failure	8	2	10	7	13	10	6	7	4	6	7	3	83
	,, Asthma	...	...	1	...	...	...	...	...	1	2	...	...	4
	,, Syncope	1	1	...	2	1	1	1	...	...	...	...	...	7
	,, Dyspnœa	...	...	...	...	...	...	...	...	1	...	...	...	1
295	(*a*) Degeneration of Heart (Fatty)	...	...	1	...	...	...	...	...	...	1	...	...	2
	(*b*) ,, ,, ,, (Fibrous)	...	...	1	...	...	...	...	...	...	...	...	...	1
298	Dilatation Heart	2	...	2	...	2	...	...	1	3	1	3	2	16
299	Fatty Heart	...	...	1	...	...	1	...	2	...	...	...	...	4
301	Clots in Heart (Thrombus)	...	...	2	...	...	2	1	...	...	1	1	1	8
302	Angina Pectoris	3	4	...	1	2	1	2	2	2	5	4	3	29
304	Fainting Fit	...	1	...	...	...	1	1	...	...	1	1	1	6
308	Arterial Sclerosis	...	1	1	...	1	...	...	...	...	...	1	...	4
316	Aneurysm of the Arteries	...	1	2	2	1	1	...	1	3	2	...	1	14
322	(2) Embolism do.	1	1	1	...	...	...	2	...	1	1	...	...	7
324	Phlebitis	...	...	...	...	...	1	...	...	...	...	...	...	1

2C—*continued.*

SPECIFIC CAUSES of DEATHS in 1917 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

No.	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	DISEASES OF THE RESPIRATORY SYSTEM.													
338	Asthma	124	108	164	117	105	86	87	101	99	112	131	127	1,361
339	Laryngitis	1	3	...	...	1	...	...	1	1	...	...	1	8
346	Œdema of Glottis	...	...	1	...	...	...	...	...	...	...	...	...	1
404	Bronchitis	73	102	127	100	110	87	105	89	108	87	67	97	1,152
	„ Acute	52	23	21	20	19	19	17	30	28	18	13	24	264
	„ Chronic	144	111	119	89	79	57	80	89	94	97	115	113	1,187
	„ Capillary	50	60	88	81	59	55	74	68	67	51	67	90	810
408	Bronchiectasis	...	...	1	...	...	...	...	...	...	1	...	...	2
410	Congestion of the Lungs	1	...	1	...	...	...	...	...	...	...	1	...	3
411	Hæmorrhage of the Lung	...	...	...	1	...	...	...	...	...	...	...	...	1
	(*a*) Hæmoptysis	...	...	...	2	...	...	2	1	...	...	1	...	6
412	Œdema of the Lungs	...	1	...	1	...	...	...	...	...	...	...	...	2
	Pneumonia	299	277	419	362	333	272	271	257	252	231	225	256	3,434
413	„ Broncho	201	223	298	262	263	217	229	207	265	205	151	221	2,742
	„ Pleuro	2	...	3	2	...	2	...	1	...	2	1	2	15
	„ Lobar	6	7	13	6	4	4	2	3	2	5	5	8	65
	„ Double	4	5	14	6	9	6	2	4	3	4	4	10	71
	„ Croupous	1	...	...	...	...	1	...	...	...	...	1	1	4
416	Gangrene of the Lung	...	...	...	...	1	...	1	...	...	...	3	...	5
419	Phthisis	137	120	133	120	127	110	125	111	109	112	114	130	1,448
421	Emphysema	3	1	5	2	3	1	...	4	...	3	1	3	26
422	Atelectasis	7	...	1	1	4	1	3	...	2	1	...	4	24
425	Pleurisy	...	5	2	5	4	2	1	2	3	1	2	4	31
426	Empyema	...	...	...	...	...	...	...	...	...	...	1	...	1
429	Pneumothorax	...	1	...	1	1	...	...	1	...	...	...	...	4
	Cough	2	1	1	1	...	1	2	...	...	1	...	3	12
	DISEASES OF THE DIGESTIVE SYSTEM.													
436	Stomatitis	...	...	...	...	...	...	1	...	...	...	...	1	2
438	Cancrum Oris	...	1	...	...	...	...	1	1	1	...	...	1	5
439	Necrosis of the Jaws	...	...	...	...	...	...	...	...	...	...	...	1	1
440	Disorders of Dentition	21	15	30	25	25	28	34	31	29	33	31	29	321
452	Pyorrhœa Alveolaris	1	...	1	1	...	1	...	..	...	2	...	...	6
474	Ulceration of the Palate	...	...	...	...	...	1	...	...	...	...	...	...	1
475	Tonsillitis	1	...	2	...	1	...	...	1	1	...	1	...	7
	Ludwig's Angina	...	...	...	...	...	1	...	...	...	...	...	...	1
483	Inflammation of the Pharynx	...	...	...	...	...	1	...	...	...	1	...	...	2
487	Stricture of Œsophagus	..	...	...	..	...	...	...	1	1	...	...	...	2
489	Gastritis	4	...	1	...	1	1	...	...	2	1	1	3	14
490	Ulceration of the Stomach	2	...	...	...	...	...	...	...	...	1	1	...	4
	(*c*) Gastric Fistula	...	...	...	...	...	...	...	...	...	...	...	1	1
492	Hæmorrhage of the Stomach	...	...	...	...	...	...	...	...	...	...	2	...	2
498	(*b*) Dilatation of the Stomach	...	...	...	1	...	...	...	...	...	...	...	...	1
	(*c*) Contraction „ „	...	...	...	...	...	...	...	...	...	...	...	1	1
	(*d*) Stricture of Pylorus	1	...	...	...	...	...	...	...	...	...	...	...	1
	Pyloric Obstruction	1	...	...	...	...	...	1	...	...	...	...	...	2
499	Dyspepsia	2	1	1	1	...	2	3	2	4	5	2	3	26
524	Vomiting	...	...	...	...	...	...	...	...	...	3	...	...	3
409	Spasm of the Stomach	...	...	...	...	...	1	...	...	...	...	...	...	1
510	Gastralgia	..	...	...	1	...	...	...	...	1	...	...	...	2

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SPECIFIC CAUSES of DEATHS in 1917 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

No.	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
515	(1) Enteritis	16	8	3	5	14	16	42	27	23	17	23	31	225
	" Gastric	1	...	...	2	4	6	12	8	5	4	3	8	53
	(2) Appendicitis	5	1	1	1	3	4	4	1	3	4	3	...	30
	(3) Colitis	2	3	2	...	1	2	3	4	3	1	2	5	28
	" Ulcerative	...	...	1	...	...	...	...	...	...	...	...	...	1
	Ankylostomiasis	...	...	...	...	...	...	1	1	2	1	1	...	6
	Infantile Liver	1	...	...	...	1	...	...	...	...	...	...	...	2
	Abscess of the Appendix	...	...	...	1	...	...	...	1	...	...	...	...	2
	Intestine Sepsis	...	...	...	...	...	...	1	...	...	...	...	...	1
	Adhesions of the Intestines	...	1	...	...	...	...	...	...	...	...	...	...	1
	Chronic Disease of the Intestines	...	...	...	1	...	...	...	1	...	...	...	...	2
516	(c) Perforating Ulcer of the Intestines.	...	...	...	...	...	...	...	...	...	...	...	1	1
518	Hæmorrhage of the Intestines	...	...	...	...	1	...	...	...	...	...	...	...	1
526	Sprue	9	10	10	7	11	6	11	11	5	7	13	11	111
528	Hernia	1	...	1	...	...	...	1	2	...	...	...	...	5
	(5) Inguinal	...	...	...	1	...	...	...	...	...	...	1	...	2
	(8) Perineal	1	...	...	...	...	...	...	...	...	...	...	...	1
	(9) Strangulated	3	...	1	1	...	...	2	1	1	1	4	2	16
530	Intussusception	...	...	1	...	...	1	...	...	...	...	...	...	2
536	Obstruction	7	3	3	4	3	3	3	3	...	...	1	2	32
537	Perforation	...	...	...	...	1	...	1	...	...	...	...	...	2
540	Diarrhœa	103	112	116	119	136	130	155	180	151	142	118	148	1,610
541	Constipation	...	...	...	...	...	...	...	...	...	...	...	1	1
544	Colic	...	...	2	1	1	3	1	2	...	...	1	2	13
	Intestine Fever	...	...	1	...	...	...	...	...	...	...	...	...	1
547	Ischio-rectal Abscess	...	...	1	...	...	...	...	...	...	...	...	1	2
550	Fistula in Ano	...	...	...	...	...	1	1	...	2	...	...	1	5
	Fæcal Fistula	...	...	...	...	...	...	...	...	...	1	...	...	1
551	Recto-Vesical Fistula	...	...	...	...	...	...	...	...	...	...	...	1	1
556	Piles	2	1	1	1	3	4	2	...	2	...	1	5	22
557	Prolapse	...	1	...	...	...	...	...	...	...	...	...	...	1
558	Stricture of the Rectum	...	...	...	...	...	...	...	...	1	...	...	...	1
568	Hepatitis	10	5	13	13	22	17	19	14	8	13	12	20	166
	Cirrhosis of the Liver	4	6	2	4	8	4	4	6	11	4	8	7	68
	(b) Biliary Cirrhosis	...	...	...	1	...	...	...	1	...	...	...	...	2
570	Acute Yellow Atrophy of the Liver	...	...	1	...	...	1	...	...	...	...	...	...	2
571	Congestion of the Liver	...	...	...	1	...	...	...	2	1	...	...	...	4
575	Jaundice	3	3	2	4	4	3	...	4	7	5	3	8	41
	Diseases of the Liver	1	...	...	...	...	...	1	...	...	1	...	...	3
	Enlarged Liver	2	...	2	1	3	5	1	2	1	4	2	...	23
	Abscess of the Liver	6	2	8	3	6	7	7	7	4	8	5	9	72
576	Cholecystitis	...	...	...	...	...	...	...	...	...	...	...	1	1
581	Gall Stones	...	...	...	...	...	...	...	...	...	1	...	...	1
588	Peritonitis	4	3	3	3	6	3	3	2	3	4	...	7	41
590	Dropsy	4	5	4	5	7	5	3	6	9	10	3	6	67
	Abdominal Abscess	...	...	...	1	...	...	...	...	1	...	...	1	3
	Aphthæ Mouth	...	...	...	...	...	...	1	2	...	...	...	...	3
	DISEASES OF THE LYMPHATIC SYSTEM.													
592	Splenitis	...	...	...	...	...	...	...	...	...	...	...	1	1
616	Lymphangitis	...	1	...	...	...	...	...	...	1	...	...	...	2

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SPECIFIC CAUSES of DEATHS in 1917 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

No.	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
618	Elephantiasis	...	...	...	...	1	...	...	2	...	...	1	...	4
638	Goitre	...	...	...	...	...	1	...	...	...	...	...	...	1
	(*a*) Adenomatous	1	...	...	...	...	...	...	...	...	...	...	...	1
639	Thyroidism	...	...	...	...	...	...	...	...	1	...	...	...	1
	Enlarged Spleen	...	...	...	...	...	...	4	...	...	1	...	...	5
	DISEASES OF THE URINARY SYSTEM.													
651	Acute Nephritis	5	4	3	2	1	1	...	2	...	1	1	...	20
652	Bright's Disease	13	9	18	13	14	9	12	14	11	16	19	19	167
	(1) Chronic Nephritis	5	2	1	2	1	1	2	2	...	4	3	5	28
	(2) „ Interstitial Nephritis	...	...	...	1	2	...	...	1	2	...	1	...	7
653	Disease of Kidney	1	...	...	...	...	...	...	1	...	...	...	...	2
654	Abscess of Kidney	...	...	...	...	...	...	...	...	...	...	...	1	1
	(*d*) Pyonephrosis	...	...	...	...	1	...	2	...	...	...	...	1	4
	(*e*) Perinephric Abscess	...	...	...	...	...	...	...	...	...	...	1	...	1
663	Calculus	1	...	...	1	2	...	...	...	2	1	2	...	9
668	Renal Colic	...	...	...	...	...	...	...	...	...	...	1	...	1
676	Cystitis	2	...	1	1	1	...	4	2	3	1	...	2	17
689	Retention of Urine	...	...	...	...	...	...	...	...	...	...	1	1	2
690	Incontinuance of Urine	1	...	...	...	...	...	...	...	...	...	...	...	1
692	Suppression of Urine	...	...	...	...	...	...	...	2	...	...	...	2	4
693	Hæmatura	1	...	...	...	...	...	...	...	...	...	...	...	1
696	Glycosuria	...	...	1	...	...	...	...	...	...	...	...	...	1
697	Albuminuria	1	...	1	...	2	1	1	1	...	2	1	1	11
	Uræmia	2	1	1	3	2	...	1	1	...	1	...	3	15
	DISEASES OF THE GENERATIVE SYSTEM.													
712	Stricture of the Urethra	...	1	...	1	...	...	...	2	...	...	...	...	4
715	Extravasation of Urine	1	...	...	...	...	...	...	1	...	1	1	2	6
720	Chronic enlargement of the Prostrate.	...	...	1	...	...	...	...	...	1	...	...	...	2
742	Sloughing of the Scrotum	...	...	...	...	...	...	...	...	...	...	1	...	1
754	Hydrocele	...	...	1	...	...	1	1	...	1	...	...	...	4
772	Salpingitis	...	...	1	...	...	...	...	...	...	...	...	...	1
775	(*b*) Pyosalpinx	...	...	...	...	...	...	1	...	...	...	...	...	1
783	(*a*) Perimetritis	...	...	...	...	...	...	...	...	...	...	...	1	1
	(*b*) Parametritis	...	...	1	...	...	...	...	1	1	...	...	...	3
785	Metritis (*Inflammation of the Uterus*).	...	1	...	1	...	...	2	1	...	...	...	2	7
	(*a*) Endometritis	...	...	1	...	...	...	...	...	...	...	...	1	2
797	Rupture of Uterus	...	...	...	...	...	...	...	...	...	...	...	1	1
805	(*b*) Vesico-vaginal Fistula	...	...	...	1	...	...	...	...	...	...	...	...	1
821	Menorrhagia	1	...	...	...	...	...	...	...	...	...	...	...	1
822	Uterine Hæmorrhage	1	1	...	1	1	...	...	1	...	...	...	...	5
	„ Disease	...	...	...	...	...	...	...	1	...	...	...	...	1
823	Leucorrhœa	1	...	...	...	...	...	1	...	1	...	1	1	5
827	Metritis (*Inflammation of the Uterus during Pregnancy*).	...	1	...	1	...	...	...	...	...	...	...	...	2
833	Puerperal Hæmorrhage	...	1	...	...	1	...	1	1	2	...	1	1	8
834	Abortion	1	2	...	3	2	3	...	...	...	...	...	4	15

20—*continued.*

SPECIFIC CAUSES of DEATHS in 1917 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

No.	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
842	(*a*) Hæmorrhage from Placenta Prævia.	...	...	...	...	2	1	...	1	...	...	...	...	4
	Extra Uterine Gestation	...	...	...	...	...	...	1	...	...	...	1	...	2
848	Rupture of the Uterus	...	...	2	...	...	...	...	...	...	...	...	...	2
849	Still Birth	165	128	130	136	137	135	154	184	187	183	173	178	1,888
850	Asphyxia of Child	3	3	1	1	...	...	2	1	...	3	2	4	20
	„ Pallidus	...	...	...	...	...	...	1	...	...	...	...	...	1
852	Premature Birth	24	25	18	22	25	18	34	38	30	27	39	46	346
853	Post-partum Hæmorrhage... ...	3	2	3	1	...	3	1	3	8	4	3	2	33
854	Retention of Placenta Fragments...	...	...	...	...	...	...	...	...	...	...	1	...	1
862	(*c*) Sloughing of the Perineum ...	...	...	1	...	...	...	...	...	...	...	...	...	1
864	Inflammation of the Breast ...	...	...	...	...	...	...	...	...	...	...	1	...	1
866	Puerperal Insanity	...	...	...	...	...	...	...	...	...	...	...	1	1
868	Puerpal Tetanus	1	...	...	...	...	1	1	...	...	...	...	...	3
870	(*a*) Sudden Death after Delivery...	...	1	...	...	...	...	1	1	...	...	...	...	3
	(*b*) „ „ from cardiac Embolism.	...	...	3	...	...	...	...	...	...	...	3	...	6
875	(*a*) Mammary Abscess	...	...	...	...	...	...	1	...	...	...	...	...	1
	(*b*) Chronic Abscess of Breast ...	...	...	...	...	...	...	...	...	...	1	...	...	1
	Pregnancy	...	1	2	2	...	...	1	...	1	...	1	...	8
	Labour	3	1	1	1	1	1	2	...	1	2	2	3	18
	Placenta Prævia	...	...	...	...	1	1	...	1	...	...	1	2	6
	Ovarian Disease	...	...	...	...	...	...	1	...	...	...	...	...	1
	Uterine „	...	...	...	...	...	...	...	...	1	...	...	...	1
	Debility after Labour	1	3	1	3	1	...	2	5	6	2	2	4	30
	Maggots in Vagina...	...	...	...	1	...	...	...	...	...	...	...	...	1
	Albuminuria of Pregnancy... ...	...	...	...	...	...	...	...	...	1	1	...	1	3
	DISEASES OF THE ORGANS OF LOCOMOTION AND CONNECTIVE TISSUE.													
887	Caries of Bones	...	1	1	...	...	1	...	1	1	...	...	1	5
	„ „ Joints	...	1	...	...	...	...	...	...	...	...	...	...	1
898	Necrosis of Bones	...	...	...	...	...	...	...	1	...	1	...	...	2
903	Arthritis	..	1	...	1	...	...	...	...	...	...	...	1	3
	Synovitis	...	...	...	1	...	...	...	...	...	...	...	...	1
908	Dislocation of Intra-Articular Cartilage.	...	...	...	...	...	...	1	...	...	...	...	...	1
916	Caries of the Spine...	...	1	...	...	...	...	...	...	2	2	...	...	5
927	Atrophy of the Muscles	...	...	...	...	...	...	...	...	...	...	1	...	1
931	Lumbago	...	...	...	...	...	...	1	...	...	...	...	...	1
952	Cellulitis	...	...	2	2	3	2	1	...	...	3	3	...	16
953	Abscess	...	2	1	2	1	...	1	2	...	...	1	...	10
954	Gangrene	1	2	3	3	2	2	2	1	3	1	1	...	21
956	Anasarca	...	...	1	...	2	1	1	...	1	...	3	2	11
	Amputation of Arms	...	...	...	...	...	...	1	...	...	...	...	...	1
	OTHER LOCAL DISEASES.													
963	Impetigo Contagiosa	...	...	...	1	...	...	...	...	...	...	...	...	1
965	Boil	...	...	...	...	...	1	...	...	...	...	...	...	1
966	Carbuncle	...	...	...	...	...	...	1	1	...	...	1	...	3
968	Bed-sore	...	...	...	...	...	...	...	...	...	1	...	...	1
100	(*a*) Ulcer	...	...	...	...	...	2	1	...	...	...	...	...	3
	Ulcers...	1	1	1	...	...	...	...	3	...	...	...	...	6

20—*concluded.*

SPECIFIC CAUSES of DEATHS in 1916 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*concluded.*

No.	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total
	GENERAL INJURIES.													
	Effects of Heat	...	...	...	...	...	...	...	3	1	...	...	...	4
1025	Burns and Scalds...	9	9	11	6	3	8	7	2	1	2	7	12	77
	(*a*) Heat-stroke	...	1	1	...	1	...	...	1	...	...	...	...	4
	(*b*) Sun-stroke	...	...	...	1	...	1	...	...	...	...	1	...	3
	(*c*) Suffocation	2	...	...	...	...	...	1	...	2	2	...	...	7
1030	„ from Strangulation ...	2	1	...	...	4	2	4	3	...	1	...	1	18
	(*b*) „ from plugging of air passage with foreign bodies	...	...	...	...	1	...	...	...	...	...	...	...	1
1031	Starvation	5	2	1	2	...	1	...	2	1	2	1	...	17
1033	Shock	6	11	11	8	1	5	3	6	3	6	5	3	68
	Vehicles, Horses, Bullocks, &c....	1	5	4	5	5	4	4	...	5	5	3	9	56
	Ships, Boats, Docks, &c. ...	...	...	...	...	1	...	1	...	1	...	2	1	6
	Fall from Houses, Trees, Stairs, &c.	2	1	2	3	4	3	1	4	1	3	3	2	29
	Machinery...	1	...	1	...	...	...	...	...	...	...	...	...	2
	Fall of Earth, Stones, Bales, &c..	1	4	2	...	1	...	3	5	...	...	...	1	17
	Accidents	2	5	5	7	4	...	2	4	...	2	3	1	35
	LOCAL INJURIES.													
1088	Contusion of Scalp	1	...	...	...	...	...	...	...	...	...	...	...	1
1089	Wound of Scalp	...	...	...	...	...	...	...	...	...	...	...	1	1
1091	Fracture of Vault of Skull ...	...	...	...	...	...	...	...	...	...	1	...	...	1
1092	„ of Base of Skull ...	1	2	2	1	1	...	4	1	1	1	3	2	19
1093	Wound of Skull	4	1	2	1	...	...	3	...	1	1	...	...	13
1095	Traumatic Meningeal Hæmorrhage	...	1	...	...	...	...	...	...	...	...	...	...	1
1096	Concussion of Brain	3	1	...	1	1	2	...	...	...	...	3	1	12
1101	Gunshot Wound of the Head ...	...	...	1	1	...	...	3	...	...	...	1	...	5
1103	Wound of the Face and Mouth...	...	...	...	...	...	...	1	...	...	...	...	...	1
1128	„ of Membrana Tympani.	...	...	...	1	...	...	...	...	...	...	...	...	1
1135	„ of Neck, including Cut-throat...	1	...	2	4	1	...	4	1	...	1	2	1	17
1145	Fracture of Ribs...	...	...	...	1	1	2	...	...	1	...	2	...	7
1146	„ of Sternum	...	...	...	...	2	...	...	...	...	...	...	...	2
1152	Wound of the Pericardium ...	...	...	...	...	...	...	...	...	...	...	1	...	1
1154	Rupture of Heart...	1	...	...	...	...	...	...	1	...	...	...	...	2
1155	Gunshot Wound of Chest ...	...	...	4	1	...	...	...	...	...	...	...	...	5
1159	Wound of the Back	...	...	...	...	...	...	...	1	...	...	...	...	1
1162	Compound Fracture of Spine ...	...	...	...	2	1	1	1	1	4	...	2	...	12
1164	Dislocation of Spine	...	...	...	...	...	...	...	1	...	...	...	...	1
1167	Gunshot Wound of the Back ...	...	1	3	1	...	1	...	...	...	...	...	...	6
1168	Contusion of the Abdomen ...	...	...	...	...	...	...	...	...	...	...	...	1	1
1171	Wound of Viscera	1	1	1	...	...	...	...	...	1	...	...	1	5
1172	Rupture of Viscera	1	1	...	...	1	...	3	...	2	...	1	...	9
1189	Fracture of Pelvic Bones ...	...	...	...	...	1	...	1	...	...	...	1	...	3
1197	Wound of the Upper Extremities	...	...	...	...	...	1	...	...	...	...	...	...	1
1204	Fracture of Humeras	...	...	...	...	...	1	...	...	...	...	...	...	1
1205	Fracture of Bones of Forearm...	2	...	...	...	...	...	...	...	...	...	1	...	4
1205	(*c*) „ of Radius and Ulna ...	...	...	...	...	...	...	...	...	2	...	...	1	2
1218	Gunshot Wound of Upper Extremities	...	...	1	11	3	3	...	...	...	...	...	...	18
1224	Fracture of Joints	...	...	...	...	...	...	1	...	...	...	...	...	1
1227	Fracture of Femur	...	...	...	...	...	...	...	1	2	1	...	1	5
1228	„ of Patella	...	...	...	...	...	...	...	...	...	...	2	...	2
1229	„ Tibia	1	...	1	...	...	...	...	...	...	...	...	...	2
1231	„ Tibia and Fibula ...	...	...	...	...	...	1	1	...	...	...	...	1	3
1232	„ Tarsus	...	...	...	1	...	...	...	...	...	...	...	...	1
1244	Gunshot Wound Lower Extremities	1	...	3	4	...	2	...	1	1	...	...	...	12
	DROWNING.													
	Drowning	6	12	7	7	12	6	7	8	10	5	3	8	91
	POISONING.													
	Poisoning	1	4	4	7	4	4	6	7	6	5	5	7	60
	UNSPECIFIED CAUSES.													
	Unspecified Causes	4	4	4	5	8	5	3	4	1	3	1	3	45

TABLE of VACCINE OPERATIONS performed in the City of Bombay in 1917.

Ward.	SECTION.	Population (Census of 1911).	Number of Depôts in each District.	Number of Vaccinators in each District.	Number of persons vaccinated.			Average number of persons vaccinated by each Vaccinator.	Primary Vaccinations.								Re-vaccinations.			Percentage of successful cases where results were known.		Persons successfully vaccinated per 1,000 of population.	Average annual number of persons successfully vaccinated during the past 5 years.		Average annual number of deaths from Small-pox during the preceding 5 years.		Average cost of each successful Vaccination.
									Total.			Successful.																
					Males.	Females.	Total.		Males.	Females.	Total.	Under one year.	One year and under 6 years.	6 years and above.	Total.	Unknown.	Total.	Successful.	Unknown.	Primary Vaccinations.	Re-vaccination.		Number.	Ratio Per 1,000 population.	Number.	Ratio Per 1,000 population.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
																											Rs. a. p.
A	Upper Colaba	1,557	1		436	230	666		181	208	389	289	69	1	359	20	277	...	277	97·29	.....	16·91	372	17·52	...	...	
	Middle and Lower Colaba	16,679																							5	·25	
	Fort, South	3,462																							1	·28	
	Fort, North	25,400	1		1,649	491	2,140		288	318	606	451	103	1	555	47	1,534	...	1,534	98·75	.....	19·13	528	18·29	13	·51	
	Esplanade	17,761		1	1,682	211	1,893		80	78	158	122	27	...	149	8	1,785	1	1,784	98·00	100·00	8·33	144	8·11	5	·28	
B	Mandvi	33,202	1		644	321	965		204	227	431	303	81	2	386	38	534	...	534	97·96	.....	11·60	399	12·02	9	·27	
	Chukla	24,231			1,128	309	1,437		224	221	445	294	111	1	406	30	992	...	992	97·59	.....	16·71	394	16·26	3	·12	
	Umarkhadi	45,679	1		1,781	866	2,647		520	502	1,022	761	177	4	942	61	1,625	...	1,624	97·81	.....	20·58	875	19·16	8	·17	
	Dongri	27,246		1	1,018	282	1,300		208	217	425	340	41	2	383	32	905	...	905	96·95	.....	13·98	520	19·09	7	·25	
C	Market	30,172			1,151	343	1,494		268	246	514	383	131	2	465	41	980	...	980	98·31	.....	15 41	414	13·72	12	·39	
	Dhobi Talao	38,634	1		1,133	459	1,582		421	369	790	566	145	13	724	54	792	...	792	98·10	.....	18·66	749	19·84	29	·74	
	Fanaswadi	27,403		1	451	325	776		269	274	543	402	98	1	501	30	333	1	332	97·47	100·00	18·28	508	18·36	14	·51	
	Bhuleshwar	36,459			885	411	1,296		272	260	482	324	119	2	445	29	814	...	814	97·79	.....	12·15	471	12·92	7	·18	
	Khara Talao	22,979			444	253	697		214	221	435	338	56	3	397	31	262	...	262	97·77	.....	17·19	397	17·27	5	·21	
	Kumbharwada	27,703	1	1	451	375	826		309	335	644	539	72	1	612	25	182	...	182	97·42	.....	21·77	594	21·44	12	·43	
D	Khetwadi	31,937	1		471	400	871		377	378	755	601	100	6	707	42	116	...	116	98·74	.....	22·04	642	20·10	16	·50	
	Girgaum	30,779		...	897	524	1,421		404	395	799	574	159	3	736	44	622	...	622	97·22	.....	23·85	762	24·76	22	·71	
	Chowpati	11,297			247	193	440		193	183	376	290	62	4	356	13	64	...	64	98·07	.....	31·24	303	26·59	4	·35	
	Walkeshwar	10,640	1	...	113	88	201		100	84	184	150	29	...	179	4	17	...	17	98·89	.....	16·73	216	20·30	2	·18	
	Mahalakshmi	26,302			427	366	793		386	359	745	635	79	2	716	25	48	...	46	98·75	.....	27·03	648	24·64	13	·49	
E	Mazagon	30,075	1	...	409	398	807		353	385	737	581	101	...	682	41	70	...	70	97·84	.....	22·64	655	21·78	25	·83	
	Tarwadi	28,424			600	288	888		257	276	533	433	58	...	491	39	355	...	355	99·39	.....	17·27	531	18·68	24	·84	
	2nd Nagpada	21,700																							13	·59	
	Kamathipura	36,751	1	1	851	901	1,752		757	874	1,631	1,265	245	5	1,515	101	121	...	121	98·56	.....	17·49	1,460	16·94	37	1·00	
	Tardeo	27,758																							21	·75	
	Byculla	75,348	1		1,239	773	2,012		652	655	1,307	1,020	160	2	1,182	114	705	1	703	99·08	50·00	14·44	1,243	15·20	81	1·07	
	1st Nagpada	6,414																							4	·62	
F	Parel	45,474	1		506	490	996		433	442	875	691	118	2	811	52	121	1	120	97·93	100·00	17·75	847	18·63	43	·94	
	Sewri	19,067	1		188	161	299		127	160	287	234	47	...	281	5	12	...	12	99·65	.....	14·74	394	20·66	11	·57	
	Sion	30,680	1	1	3,524	392	3,916		366	386	752	582	126	...	708	39	3,164	...	3,164	99·30	.....	23·08	748	24·38	18	·58	
G	Mahim	30,492	1		3,784	680	4,414		681	674	1,355	995	226	8	1,229	109	3,059	...	3,059	98·23	.....	40·14	1,331	43·65	19	·62	
	Worli	89,611			717	705	1,442		680	677	1,357	1,095	201	3	1,299	50	65	...	65	99·39	.....	14·50	1,360	15·18	74	·82	
	Harbour, Docks, Railways and Homeless	44,979	...	...	215	1,998	2,213		186	204	390	90	82	1	123	266	1,823	27	1,796	99·19	100·00	8·83	445	9·89	8	·17	
	Total ...	9,79,445	14	6	26,961	12,233	40,194	6,699	9,359	9,608	18,967	14,297	2,973	69	17,339	1,390	21,227	31	21,192	98·32	88·57	17·68	17,942	18·32	565	·57	1 14 3

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TABLE of Births registered and of Vaccinations of Infants under one year of age performed in the year 1917.

Ward.	SECTIONS.	Total number of births exclusive of still-born.	Still-born.	Deaths under one year.	Number of Infants surviving.	Number of Infants vaccinated under one year.	Percentage of vaccinations to births registered.
A	Upper Colaba	92	7	29	63	310	73·98
	Middle and Lower Colaba	337	23	119	218		
	Fort, South	36	1	4	32	492	54·66
	Fort, North	624	47	202	423		
	Esplanade	276	33	96	180	129	46·73
B	Mandvi	489	53	305	184	337	68·09
	Chukla	455	41	218	237	320	70·32
	Umarkhadi	1,313	131	516	797	817	62 22
	Dongri	459	40	203	256	374	81·48
	Market	327	46	200	127	365	111·62
	Dhobi Talao	881	60	300	581	609	69·12
C	Fanaswadi	653	45	234	418	429	65·79
	Bhuleshwar	618	53	280	338	351	56·79
	Khara Talao	565	57	247	318	364	64·42
	Kumbharwada	668	58	251	417	563	84·28
	Khetwadi	829	60	261	568	635	76·59
	Girgaum	769	65	286	483	621	80·75
D	Chowpati	275	22	69	206	304	110·54
	Walkeshwar	251	19	59	192	153	60·95
	Mahalakshmi	731	44	208	523	659	90·15
	Mazagon	755	60	304	451	628	83·17
	Tarwadi	897	75	295	602	464	51·72
	2nd Nagpada	566	42	260	306	1,355	63·28
E	Kamathipura	841	117	415	426		
	Tardeo	734	45	256	478		
	Byculla	1,919	166	1,029	1,890	1,125	53·69
	1st Nagpada	176	14	57	119		
	Parel	868	103	419	449	742	85·48
F	Sewri	434	40	210	224	237	54·60
	Sion	817	58	287	530	616	75·39
G	Mahim	946	71	315	631	1,092	115·43
	Worli	2,050	191	936	1,114	1,139	55·56
	Harbour, Docks, Railways and Homeless	1	1	.....	1	269	.....
	Total ...	21,651	1,888	8,870	12,781	15,495	71·56

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TABLE of Primary Vaccinations performed with different kinds of Lymph in 1917.

	Number of operations.	Successful.	Unknown.	Percentage of success after deducting the unknown cases.
I Calf Lymph	5,762	5,213	491	98·90
II Glycerinated Lymph	13,205	12,068	899	98·07
III Lanolinated Lymph	.....	.....	.....	.....
IV Human Lymph	.....	.....	.....	.....
Total ...	18,967	17,281	1,390	98·32

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TABLE of prosecutions instituted by the Vaccination Department in 1917.

1	2	3	4	5	6	7
Section of the Act.	Nature of the Charge.	Number of Cases instituted.	Number of Cases discharged.	Otherwise.	Number of Cases convicted.	Amount of Fines inflicted.
Section VII of the Bombay Vaccination Act I of 1877.	.....	...	...	...	...	...

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TABLE of DEATHS by Disease

Wards.	SECTIONS.	GENERAL DISEASES.																		
					FEVERS.															
		Small-pox.	Measles.	Plague.	Scarlet Fever.	Enteric Fever.	Malarial Fever.	Ague and Remittent Fever.	Relapsing Fever.	Influenza.	Whooping Cough.	Diphtheria.	Cholera.	Diarrhœa.	Dysentery.	Puerperal Septicæmia.	Leprosy.	Cancer.	Premature Birth.
	Upper Colaba	3	...	9	...	3	6	1	...	...	...	...	3	4	10	1	...	...	1
	Middle and Lower Colaba...	9	13	123	...	7	2	17	...	...	...	...	3	16	13	1	...	1	7
A	Fort, Southern	1	...	14	...	6	18	1	...	...	...	...	...	9	20	...	...	...	2
	Fort, Northern	25	4	62	...	12	10	48	...	1	2	1	19	45	19	4	...	8	26
	Esplanade	5	1	24	...	14	19	22	1	...	...	1	1	45	22	...	...	1	14
	Mandvi	3	4	95	...	1	7	63	...	...	...	1	1	37	7	11	...	5	7
	Chukla	2	3	43	...	1	5	22	...	...	...	1	...	28	13	21	...	1	5
B	Umarkhadi	7	6	37	...	6	11	125	...	...	...	...	...	76	39	28	...	4	31
	Dongri	2	1	39	...	1	3	67	...	...	...	...	2	15	25	6	...	...	3
	Market	12	9	55	...	7	11	42	...	...	...	...	1	21	17	3	...	2	6
	Dhobi Talao	19	15	43	...	4	10	52	...	1	1	...	4	61	18	2	...	5	15
	Fanaswadi	22	13	33	...	3	4	47	...	...	...	...	2	44	15	1	...	2	17
C	Bhuleshwar	3	5	56	...	6	6	52	...	...	1	...	...	81	15	4	...	2	16
	Khara Talao	3	5	35	...	4	4	25	...	...	...	...	1	45	8	12	...	6	6
	Kumbharwada	5	5	28	...	1	3	60	...	...	...	...	3	41	19	9	...	1	3
	Khetwadi	11	3	47	...	10	10	69	...	...	...	...	...	23	24	6	...	6	26
	Girgaum	26	5	45	...	11	6	104	...	...	3	...	4	25	17	9	...	2	19
D	Chowpati	1	...	14	...	3	3	23	...	1	...	...	...	10	5	2	1	3	3
	Walkeshwar	3	1	46	...	1	5	20	...	...	...	...	...	7	11	2	...	3	2
	Mahalakshmi	3	1	45	...	5	5	20	...	1	...	...	3	56	19	3	...	7	8
	Mazagon	4	4	46	...	2	3	33	...	...	...	...	1	106	70	4	...	2	2
	Tarwadi	7	6	63	...	3	24	61	2	...	...	1	...	134	76	4	...	11	6
	2nd Nagpada...	9	5	16	...	...	2	36	...	...	...	...	...	15	18	2	...	1	24
E	Kamathipura	26	13	65	...	...	4	116	...	...	.	...	...	73	27	10	...	1	15
	Tardeo	4	3	63	...	7	2	16	...	...	...	...	...	64	14	1	...	3	12
	Byculla	15	22	113	...	3	15	79	1	...	2	...	1	126	113	31	...	3	21
	1st Nagpada	1	1	5	...	...	2	4	...	...	2	...	...	5	3	1	...	...	3
	Parel	7	9	64	...	3	16	162	1	..	...	...	1	34	59	20	...	1	10
F	Sewri	...	1	37	...	...	1	87	...	...	...	...	...	30	25	7	...	1	...
	Sion	5	6	60	...	3	18	92	...	...	...	...	1	79	49	7	83	2	3
	Mahim	5	7	120	...	3	3	87	...	1	1	...	1	104	41	5	...	1	13
G	Worli	14	45	109	...	7	13	278	...	...	2	...	2	147	95	30	...	1	16
	Harbour, Docks, Railways and Homeless	2	...	3	...	3	6	13	...	...	...	...	7	4	5	...	...	...	...
	TOTAL ..	269	321	1,706	...	170	262	2,012	5	5	14	5	61	1,610	981	252	84	86	346

and Section in 1917.

					LOCAL DISEASES.												INJURIES.					
								Respiratory System.									General.					
Debility.	Old Age.	Tubercle of Lungs.	All other Tubercular Diseases.	Other General Diseases.	Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Phthisis.	Other Diseases of the Respiratory System.	Digestive System.	Lymphatic System.	Urinary System.	Generative System.	Still-born.	Organs of Locomotion and Connective Tissue.	Other Local Diseases.	Drowning.	Other General Injuries.	Local Injuries.	Poison.	Unspecified Causes.	TOTAL.
4	3	6	2	10	7	...	3	4	30	8	...	...	1	7	2	...	1	1	1	1	...	125
18	14	4	1	33	38	...	9	33	132	24	1	1	2	23	...	...	2	10	7	1	...	542
2	2	41	6	21	7	1	6	8	48	9	...	...	...	1	1	1	...	2	6	1	...	234
31	28	15	17	56	56	1	13	84	259	52	...	16	4	47	...	...	2	10	7	1	1	937
20	7	32	14	40	40	1	13	23	168	51	1	8	4	33	4	...	1	18	45	4	...	664
52	31	7	12	71	60	...	15	61	407	39	1	13	3	53	2	1	1	16	3	...	1	1,043
68	54	15	7	59	25	1	10	38	310	39	...	8	3	41	4	...	...	3	3	1	...	798
132	125	20	11	109	150	...	26	61	688	76	...	16	8	131	4	...	1	17	5	2	...	1,921
62	33	3	2	27	24	1	5	7	289	29	1	...	3	40	4	...	1	7	4	3	...	669
54	42	10	10	46	30	...	15	25	295	37	...	4	5	46	1	...	2	10	5	1	...	783
68	64	18	17	86	72	...	19	24	399	82	3	10	19	60	1	...	2	18	8	2	...	1,172
67	42	12	11	63	47	...	12	28	275	43	...	10	19	45	...	...	2	12	2	1	1	849
64	84	12	6	78	70	...	14	20	434	86	1	9	8	53	4	...	1	11	5	3	...	1,157
76	77	6	3	64	135	...	8	52	289	50	...	6	5	57	...	1	1	5	3	1	4	919
77	65	11	6	50	73	...	5	44	411	38	...	3	2	58	2	1	...	16	6	5	8	1,001
44	67	10	8	64	66	1	20	54	265	62	1	14	12	60	5	...	...	9	5	5	2	946
52	55	13	9	57	72	...	11	61	300	54	1	6	10	65	6	1	2	7	2	2	...	997
16	18	2	3	27	23	...	9	26	84	21	1	3	5	22	1	...	2	3	5	1	1	329
12	17	6	1	20	21	...	5	16	78	23	...	3	3	19	3	...	5	4	...	...	...	328
72	10	1	9	73	46	...	18	50	238	30	...	7	6	44	3	...	1	9	6	...	1	756
82	56	2	2	34	109	...	12	5	438	13	...	5	4	60	1	...	2	8	3	3	2	1,114
86	63	47	26	75	100	1	19	28	438	40	...	21	14	75	9	2	2	28	14	2	4	1,428
54	81	11	5	113	36	...	7	100	311	58	...	6	11	42	...	1	...	2	3	2	1	929
116	8	19	8	128	104	...	7	189	502	76	...	12	7	117	5	2	2	16	5	2	1	1,559
75	6	8	5	93	51	1	14	104	329	31	2	10	2	45	...	...	...	5	3	2	...	936
333	219	25	10	193	318	1	16	46	1,113	303	...	24	11	166	1	3	4	23	4	4	4	3,105
14	16	6	2	19	4	...	...	8	53	13	...	6	3	14	1	...	...	1	1	...	...	179
149	134	6	1	81	35	...	9	32	599	26	...	12	10	103	1	...	9	6	3	2	4	1,576
92	83	2	3	22	17	...	...	7	257	10	...	...	6	40	1	...	4	8	1	1	...	703
127	68	45	7	66	39	...	15	34	324	45	...	11	9	58	5	...	9	16	4	2	4	1,238
111	106	3	8	46	60	...	10	34	413	42	1	11	8	71	3	2	8	5	2	...	...	1,269
345	262	8	7	188	125	...	18	145	1,031	77	...	19	12	191	5	...	16	28	6	4	4	3,963
1	1	1	4	9	3	...	6	3	24	8	1	2	...	1	...	...	7	13	3	1	2	131
2,579	1,991	427	243	2,127	2,063	9	369	1,448	11,231	1,475	15	292	219	1,888	79	15	91	344	179	60	45	33,390

TABLE of DEATHS by Race, Cause and Sex in 1917.

RACE OR CASTE.	GENERAL DISEASES.																			
	Small-pox.		Measles.		Plague.		Fevers.										Influenza.		Whooping Cough.	
							Scarlet Fever.		Enteric Fever.		Malarial Fever.		Ague and Remittent Fever.		Relapsing Fever.					
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jains	8	6	7	2	134	38	...	...	4	3	9	3	29	24	...	...	...	...	1	...
Brahmins	8	10	3	9	75	13	...	...	6	4	11	4	71	34	...	...	...	...	...	2
Lingaits	...	1	...	...	7	5	...	...	1	...	...	...	11	5	...	...	...	...	...	...
Bhatias	...	...	...	2	4	3	...	...	4	2	1	2	6	11	...	...	...	1	...	...
Hindus of other Castes... ...	85	65	54	63	689	264	...	...	51	15	90	32	757	441	3	...	2	1	3	...
Hindus, Low Caste	12	13	29	28	74	38	...	...	...	...	6	5	121	80	...	...	...	...	...	...
Mussulmans	16	3	7	6	183	61	...	...	16	2	40	10	191	121	2	...	...	...	...	...
Parsees	1	3	...	5	26	15	...	...	11	8	4	5	19	26	...	...	1	...	1	3
Jews	...	...	1	1	3	2	...	...	...	...	1	2	...	6	...	...	...	...	...	...
Indian Christians	16	16	1	2	33	36	...	...	13	8	9	11	24	29	...	...	...	...	1	2
Eurasians	...	...	1	...	...	...	...	...	6	1	3	1	2	2	...	...	...	...	...	...
Europeans	6	...	...	...	1	2	...	...	10	4	7	3	1	1	...	...	...	...	2	...
Negro-Africans	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buddhists	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...
Other and Unknown Castes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All Castes ... Males	152	...	103	...	1,229	...	...	...	123	...	184	...	1,232	...	5	...	3	...	8	...
All Castes ... Females	...	117	...	118	...	477	...	...	...	47	...	78	...	780	...	...	...	2	...	6
All Castes ... Persons	289		221		1,706		...		170		262		2,012		5		5		14	

26—*continued.*

TABLE of DEATHS by Race, Cause and Sex in *1917—continued.*

RACE OR CASTE.	GENERAL DISEASES—*contd.*																			
	Diphtheria.		Cholera.		Diarrhœa.		Dysentery.		Puerperal Septicæmia.		Leprosy.		Cancer.		Premature Birth.		Debility.		Old Age.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jains	...	...	1	1	28	30	16	10	...	15	...	...	2	...	9	3	37	33	19	26
Brahmins	...	...	1	...	29	24	27	13	...	12	...	...	3	2	13	9	45	48	41	43
Lingaits	...	...	...	...	4	1	2	2	...	3	...	...	..	...	...	...	10	4	8	4
Bhatias	...	...	...	...	10	8	...	3	...	6	...	...	2	3	2	1	9	10	7	10
Hindus of other Castes	...	...	20	7	391	339	314	181	...	113	31	28	8	14	76	59	732	612	448	587
Hindus, Low Caste	...	...	2	2	121	109	77	64	...	26	2	...	...	1	26	26	204	194	79	97
Mussulmans	2	...	6	1	174	160	106	72	...	70	7	4	13	10	29	20	250	221	258	333
Parsees	...	1	2	2	27	38	12	11	...	1	...	...	6	10	14	22	12	12	32	47
Jews	...	...	...	...	3	1	3	3	...	2	...	...	...	1	1	2	6	6	4	11
Indian Christians	...	...	10	2	45	46	19	13	...	4	3	4	...	2	24	14	51	69	19	18
Eurasians	...	1	...	...	2	9	6	...	...	...	...	...	...	2	...	...	2	5	...	...
Europeans	1	...	3	1	7	1	19	3	...	...	...	...	3	3	1	1	4	1	...	...
Negro-Africans	...	...	...	...	1	...	2	...	...	...	...	...	..	...	1	...	2	...	...	...
Buddhists	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	..	1	...	...
Other and Unknown Castes ...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...
All Castes... Males	3	...	45	...	844	...	606	...	...	...	48	...	38	...	198	...	1,364	....	915	...
All Castes... Females	...	2	...	16	...	766	...	375	...	252	...	36	...	48	...	148	...	1,215	...	1,076
All Castes... Persons	5		61		1,610		981		252		84		86		346		2,579		1,991	

26—*continued.*

TABLE of DEATHS by Race, Cause and Sex in 1917—*continued.*

RACE OR CASTE.	GENERAL DISEASES—*concluded.*						LOCAL DISEASES.													
	Tubercle of Lung.		Other Tubercular Diseases.		Other General Diseases.		Nervous System		Diseases of the Eye, Ear and Nose.		Circulatory System.		Respiratory System.				Digestive System.		Lymphatic System.		Urinary System.	
													Phthisis.		Other Diseases of the Respiratory System.							
	Males.	Females.	Males.	Females.	Males.	Females.	Males	Females.	Males.	Females	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jains	2	4	3	7	41	51	47	41	...	1	28	12	9	27	318	207	40	36	...	1	7	5
Brahmins...	2	4	4	5	45	43	44	35	...	...	9	3	14	39	294	167	30	23	...	...	5	6
Lingaits	...	...	1	...	12	9	10	6	...	...	1	...	6	12	26	32	...	7	...	...	1	...
Bhatias	...	...	1	1	7	8	9	5	...	...	2	1	6	11	28	18	6	9	...	...	3	...
Hindus of other Castes	156	50	55	43	451	430	454	374	2	...	71	22	376	380	3,434	2,380	343	252	4	...	56	37
Hindus, Low Caste	13	4	5	6	125	136	135	133	2	..	8	5	80	87	844	746	101	81	...	...	13	3
Mussulmans	95	30	32	30	266	292	307	233	1	...	63	20	160	265	1,281	889	184	116	2	...	39	19
Parsees	3	9	5	14	45	48	43	48	...	2	36	24	10	6	104	82	45	26	2	5	20	18
Jews	2	2	...	...	5	7	8	11	...	...	1	2	4	5	19	19	6	1	...	...	...	2
Indian Christians	32	12	15	13	34	28	51	40	...	...	22	16	11	14	178	105	63	45	1	...	17	22
Eurasians	4	2	...	...	3	3	4	2	1	...	6	...	1	1	9	7	9	6	...	...	2	3
Europeans	7	1	2	...	15	7	12	6	...	...	14	1	2	...	24	6	29	11	...	...	6	4
Negro-Africans	...	...	...	...	1	3	3	...	...	...	...	...	...	1	2	1	1	...	...	...	...	1
Buddhists...	2	...	1	...	11	1	...	...	...	...	3	...	...	1	4	...	4	...	...	...	2	1
Other and Unknown Castes ...	1	...	...	...	...	...	1	2	...	...	...	...	...	...	2	5	...	1	...	...	...	...
All Castes ... Males	319	...	124	...	1,061	...	1,127	...	6	...	263	...	599	...	6,567	...	861	...	9	...	171	...
All Castes ... Females ..	...	108	...	119	..	1,066	...	936	...	3	...	106	...	849	...	4,664	...	614	...	6	...	121
All Castes ... Persons... ...	427		243		2,127		2,063		9		369		1,448		11,231		1,475		15		292	

TABLE of DEATHS by Race, Cause and Sex in 1917—*concluded.*

RACE OR CASTE.	LOCAL DISEASES—*concld.*								INJURIES.										All Causes.		
	Generative System.		*Still-born.*		Organs of Locomotion and Connective Tissue.		Other Local Diseases.		General. Drowning.		General. Other General Injuries.		Local Injuries.		Poisons.		Unspecified Causes.				
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Persons
Jains	2	6	*30*	*36*	2	2	...	1	3	...	2	11	1	1	4	...	...	...	813	606	1,419
Brahmins	2	12	*38*	*22*	...	4	1	...	1	1	4	5	4	1	4	...	2	...	798	575	1,373
Lingaits	...	1	*7*	*4*	...	...	...	...	1	...	1	...	...	...	...	...	1	1	103	93	196
Bhatias	...	3	*10*	*5*	1	...	...	...	1	...	1	4	...	...	...	1	1	...	111	123	234
Hindus of other Castes ...	14	87	*467*	*387*	33	13	5	3	30	23	127	39	51	12	22	7	14	6	9,362	6,970	16,332
Hindus, Low Caste ...	2	13	*129*	*124*	2	2	...	...	8	1	32	8	5	4	...	3	3	2	2,131	1,917	4,048
Mussulmans	7	35	*234*	*163*	9	3	3	1	14	...	54	16	59	10	5	4	4	...	3,904	2,947	6,851
Parsees	2	10	*36*	*31*	2	1	...	...	4	...	6	3	6	1	2	2	...	...	502	507	1,009
Jews	1	3	*12*	*7*	...	...	...	...	...	...	1	1	...	...	...	...	...	...	69	90	159
Indian Christians ...	3	13	*48*	*37*	4	1	...	1	...	...	8	3	5	...	2	1	3	2	722	592	1,314
Eurasians	...	2	*3*	*4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	61	47	108
Europeans	...	1	*6*	*3*	...	...	...	...	...	1	8	...	15	...	3	...	...	...	202	58	260
Negro-Africans	...	...	...	*1*	...	...	...	...	1	...	...	...	...	...	...	...	...	...	14	6	20
Buddhists	...	...	...	*1*	...	...	...	...	...	...	...	1	1	...	...	...	2	...	38	5	43
Other & Unknown Castes	...	...	*26*	*17*	...	...	...	...	2	...	4	5	1	2	...	...	3	1	18	16	34
All Castes... Males ...	33	...	*1,046*	...	53	...	9	...	65	...	248	...	143	...	42	...	33	...	18,838	...	
All Castes... Females ...	...	183	...	*842*	...	26	...	6	...	26	...	96	...	31	...	18	...	12	...	14,552	
All Castes... Persons ..	219		*1,888*		79		15		91		344		179		60		45		33,390		

TABLE of DEATHS by Age, Sex and Cause in 1917.

AGE.		GENERAL DISEASES.																			
		Small-pox.		Measles.		Plague.		FEVERS, Scarlet Fever.		Enteric Fever.		Malarial Fever.		Ague and Remittent Fever.		Relapsing Fever.		Influenza.		Whooping Cough.	
		Males.	Females.	Males.	Females.	Males	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
DAYS	1 to 30	...	1	...	...	...	...	...	...	...	...	3	...	14	5	...	...	...	...	...	...
MONTHS	1 to 6	13	10	10	10	...	...	...	...	...	...	2	2	40	34	...	...	...	...	4	2
	7 to 12	17	29	28	35	...	...	...	...	...	...	4	2	57	54	...	...	...	...	3	1
YEARS	1 to 2	13	8	36	27	...	5	...	...	...	...	3	2	31	34	...	...	...	...	1	2
	2 to 3	7	10	16	17	4	...	...	...	1	...	...	3	16	19	...	...	...	...	...	1
	3 to 4	3	6	5	6	9	6	...	...	1	...	1	...	13	12	...	...	...	...	...	...
	4 to 5	3	4	6	3	7	7	...	...	...	1	1	1	15	11	...	...	...	...	...	...
	5 to 10	16	8	6	11	68	65	...	...	5	4	7	8	66	75	...	...	...	...	...	...
	10 to 15	6	3	2	5	146	73	...	...	11	8	7	3	86	67	...	...	...	...	...	...
	15 to 20	26	13	3	2	252	79	...	...	28	13	18	7	179	97	..	...	...	...	..	...
	20 to 25	22	7	1	...	256	71	...	...	27	9	37	6	200	111	2	...	...	1	...	...
	25 to 30	13	9	...	2	193	61	...	...	19	5	27	9	167	91	...	...	...	...	...	...
	30 to 35	6	5	...	...	115	33	...	..	13	3	20	8	92	40	1	...	...	...	...	...
	35 to 40	4	2	...	...	67	25	...	...	7	3	14	6	86	48	1	...	1	...	...	...
	40 to 45	2	...	...	...	45	18	...	...	7	...	10	3	49	20	...	...	...	1	...	...
	45 to 50	...	1	...	...	33	14	...	...	2	1	11	6	40	25	1	...	1	...	...	...
	50 to 55	1	1	...	...	18	6	...	...	1	...	5	...	21	12	...	...	...	...	...	...
	55 to 60	...	...	...	...	10	5	...	...	...	...	8	3	28	15	...	...	1	...	...	...
	60 & over	...	...	...	...	8	9	...	...	1	...	6	8	32	12	...	...	...	...	...	...
	Unspecified Age	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
ALL AGES.	Males	152	...	103	...	1,229	...	...	...	123	...	184	...	1,232	...	5	...	3	...	8	...
	Females	...	117	...	118	...	477	...	...	...	47	...	78	...	780	...	...	...	2	...	6
	Persons	269		221		1,706		...		170		262		2,012		5		5		14	

TABLE of DEATHS by Age, Sex and Cause in 1917—*continued.*

AGE.		GENERAL DISEASES—*contd.*																			
		Diphtheria.		Cholera.		Diarrhœa.		Dysentery.		Puerperal Septicæmia.		Leprosy.		Cancer.		Premature Birth.		Debility.		Old Age.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.	Males.	Females.
DAYS	1 to 30	...	...	...	...	7	10	...	...	...	...	...	...	...	...	196	144	1,152	1,026	...	...
MONTHS	1 to 6	...	...	...	...	56	56	5	7	...	...	...	...	...	...	2	4	139	128	...	...
	7 to 12	...	...	...	...	139	100	16	21	...	...	...	...	...	...	...	...	25	26	...	...
YEARS	1 to 2	1	...	...	...	109	111	39	34	...	...	...	...	...	...	...	...	14	10	...	...
	2 to 3	...	...	...	...	31	51	24	26	...	...	...	...	...	...	...	...	3	4	...	...
	3 to 4	...	...	...	...	18	13	19	15	...	...	...	...	...	...	...	...	1	1	...	...
	4 to 5	...	...	...	...	7	8	13	11	...	...	...	...	...	...	...	...	1	...	...	...
	5 to 10	1	1	...	1	23	24	23	33	...	...	...	...	...	...	...	...	...	2	...	...
	10 to 15	1	...	...	...	8	25	23	16	...	3	...	...	...	...	...	...	2	...	...	...
	15 to 20	...	1	6	2	28	37	47	31	...	78	1	2	...	...	...	...	2	...	...	...
	20 to 25	...	...	12	3	52	57	32	44	...	79	...	...	1	3	...	...	2	3	...	...
	25 to 30	...	...	5	4	44	57	34	53	...	50	5	6	2	1	...	...	3	4	...	...
	30 to 35	...	...	6	3	57	40	69	32	...	29	6	4	1	11	...	...	4	1	...	...
	35 to 40	...	...	9	1	64	38	49	12	...	12	11	7	6	6	...	...	7	1	...	...
	40 to 45	...	...	3	...	38	22	29	14	...	1	11	5	6	5	...	...	2	1	...	...
	45 to 50	...	...	2	1	54	22	30	9	...	...	5	4	5	4	...	...	7	8	...	...
	50 to 55	...	...	1	1	25	23	8	2	...	...	...	2	2	5	...	...	...	...	9	4
	55 to 60	...	...	...	...	38	24	24	6	...	...	6	2	5	7	...	...	...	...	175	168
	60 and over	...	...	1	...	46	48	22	9	...	...	3	4	10	6	...	...	...	...	781	904
	Unspecified Age	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL AGES.	Males	3	...	45	...	844	...	606	...	...	...	48	...	38	...	198	...	1,364	...	915	...
	Females	...	2	...	16	...	766	...	375	...	252	...	36	...	48	...	148	...	1,215	...	1,076
	Persons	5		61		1,610		981		252		84		88		346		2,579		1,991	

27—*continued.*

TABLE of DEATHS by Age, Sex and Cause in 1917—*continued.*

AGE.	GENERAL DISEASES—*concld.*						LOCAL DISEASES.													
	Tubercle of Lung.		Other Tubercular Diseases.		Other General Diseases.		Nervous System.		Diseases of the Eye, Ear and Nose.		Circulatory System.		Respiratory System.				Digestive System.		Lymphatic System.		Urinary System.	
													Phthisis.		Other Diseases of the Respiratory System.							
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
DAYS ... 1 to 30	...	...	...	...	11	10	136	97	...	...	3	4	...	...	36	43	20	14	...	...	2	2
MONTHS ... 1 to 6	...	...	...	1	51	45	475	370	...	...	1	1	...	...	574	565	36	41	...	...	1	2
7 to 12	1	...	2	...	138	127	161	172	...	...	...	1	1	1	864	857	155	153	...	...	2	...
YEARS ... 1 to 2	...	1	...	1	163	195	82	68	...	...	1	...	1	...	554	581	89	107	1	...	1	2
2 to 3	1	...	2	3	97	99	15	15	...	...	...	...	...	...	193	133	9	24	...	1	...	...
3 to 4	...	...	1	1	33	37	7	9	...	...	...	...	...	1	88	96	7	6	...	...	5	...
4 to 5	...	...	2	...	22	24	4	3	...	...	1	...	1	...	55	64	6	5	...	...	...	1
5 to 10	2	...	5	5	58	62	9	13	...	...	1	2	6	16	164	220	16	17	...	...	4	1
10 to 15	4	5	4	10	18	52	5	10	...	...	5	4	22	35	153	130	7	15	...	...	4	1
15 to 20	38	31	11	22	52	89	11	26	...	...	10	6	79	214	406	184	38	22	2	...	5	4
20 to 25	57	21	21	15	78	95	22	17	1	1	21	14	119	201	525	210	65	40	3	...	14	14
25 to 30	81	19	22	26	78	73	22	23	...	...	28	7	134	183	451	204	91	43	...	...	24	12
30 to 35	50	14	14	13	71	57	15	11	2	...	30	10	93	88	378	135	79	29	...	...	10	10
35 to 40	42	8	12	9	55	24	34	11	...	...	34	8	79	63	385	132	78	33	...	...	16	12
40 to 45	7	4	13	5	35	26	16	3	1	...	19	6	29	25	273	134	45	21	1	1	18	8
45 to 50	18	3	8	2	35	16	26	15	...	...	27	12	17	11	445	255	48	17	1	...	12	10
50 to 55	5	...	4	3	18	8	12	12	...	1	24	7	6	4	244	111	23	6	1	...	16	6
55 to 60	9	1	2	2	26	12	32	18	2	1	26	7	8	4	376	237	21	6	...	1	14	11
60 & over	4	1	2	1	22	15	43	42	...	...	32	17	4	3	403	283	28	16	...	3	23	25
Unspecified Age..	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL AGES. Males	319	...	124	...	1,061	...	1,127	...	6	...	263	...	599	...	6,567	...	861	...	9	...	171	...
Females	...	108	...	119	...	1,066	...	936	...	3	...	103	...	849	...	4,664	...	614	...	6	...	121
Persons	427		243		2,127		2,063		9		369		1,448		11,231		1,475		15		292	

TABLE of DEATHS by Age, Sex and Cause in 1917—*concluded.*

AGE.	LOCAL DISEASES—*concld.*								INJURIES.										All Causes.		All Ages
	Generative System.		Still-born		Organs of Locomotion and Connective Tissue.		Other Local Diseases.		General. Drowning.		General. Other General Injuries.		Local Injuries.		Poisons.		Unspecified Causes.				
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males	Females	Males.	Females.	Males.	Females.	Males.	Females.	Persons.
DAYS ... 1 to 30...	14	8	...	...	...	...	...	...	1	...	4	5	1	2	...	...	3	1	1,603	1,372	2,975
MONTHS 1 to 6...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	1	...	...	1,412	1,280	2,692
MONTHS 7 to 12...	...	1	...	...	...	...	1	1	...	...	2	3	...	...	2	...	1	...	1,619	1,584	3,203
YEARS... 1 to 2...	...	...	...	...	...	...	...	1	2	2	1	2	...	...	1	1	...	...	1,133	1,194	2,327
2 to 3...	...	...	...	...	...	...	...	...	...	...	7	1	1	1	...	1	...	...	427	459	886
3 to 4...	...	...	...	...	...	...	...	...	3	2	1	1	2	...	...	1	...	...	217	213	430
4 to 5...	...	...	...	...	...	...	...	...	1	...	6	2	...	...	...	...	...	...	151	145	296
5 to 10...	...	...	...	...	3	2	...	...	2	...	10	14	7	1	...	...	...	1	502	586	1,088
10 to 15...	...	1	...	...	1	3	...	...	5	1	12	8	2	...	...	2	2	2	536	482	1,018
15 to 20...	2	40	...	...	4	2	2	1	6	8	20	19	7	2	1	3	3	2	1,287	1,037	2,324
YEARS... 20 to 25...	...	49	...	...	5	1	...	1	17	8	43	15	32	5	10	4	2	...	1,729	1,105	2,834
25 to 30...	...	44	...	...	8	1	1	1	12	2	45	8	31	3	9	2	6	2	1,605	1,004	2,609
30 to 35...	3	39	...	...	7	3	1	...	5	2	24	3	27	1	5	1	7	1	1,211	616	1,827
35 to 40...	2	12	...	...	5	4	2	1	...	...	22	1	18	2	7	...	3	...	1,115	531	1,646
40 to 45...	3	2	...	...	2	1	...	...	3	...	13	2	9	3	2	1	1	2	689	324	1,013
45 to 50...	4	...	...	...	5	3	...	...	...	...	13	3	6	2	4	...	...	1	860	445	1,305
50 to 55...	2	...	...	...	5	1	1	...	1	1	4	2	2	...	...	...	1	...	460	218	678
55 to 60...	2	...	...	...	4	2	1	...	2	...	8	2	3	2	...	1	2	...	883	535	1,368
60 & over	1	...	...	...	4	3	...	...	4	...	9	4	5	7	1	...	2	...	1,447	1,420	2,867
Unspecified Age.	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	2	2	4
ALL AGES. Males ...	33	...	1,046	...	53	...	9	...	65	...	248	...	148	...	42	...	33	...	18,838	...	
ALL AGES. Females.	...	186	...	842	...	28	...	6	...	26	...	96	...	31	...	18	...	12	...	14,552	
ALL AGES. Persons...	219		1,888		79		15		91		344		179		60		45		.....		33,390

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TABLE of DEATHS by DISEASE and

GENERAL

Title of Orders.	Occupation or Trade of Family.	Small-pox.	Measles.	Plague.	Fever. Scarlet Fever.	Fever. Enteric Fever.	Fever. Malarial Fever.	Fever. Ague and Remittent Fever.	Fever. Relapsing Fever.	Influenza.	Whooping Cough.	Diphtheria.	Cholera.	Diarrhœa.	Dysentery.	Puerperal Septicæmia.	Leprosy.
Professional	1 (a) Imperial Government Officials, Clerks, &c.	..	..	3	..	4	1	7	..	..	..	..	..	2	1	..	..
General	2 (b) Foreign Government Consuls, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Government	3 (c) Native States, Chiefs, Staffs, Retinue, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4 (d) Mun. and Local Government Police, &c.	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
	Post and Telegraph Office, Peons, &c.	..	..	12	..	2	..	10	..	..	..	..	3	1	3	..	..
Defence	5 (a) Army	5	..	4	..	17	..	1	1	..	..	..	3	20	50	..	..
	6 (b) Navy	1	..	1	..	..	2	..	..	1	..	..	..	..	1	..	..
Learned Professions.	7 (a) Ministers of Religions, Professors, &c.	..	..	15	..	5	37	6	..	..	..	..	..	5	4	..	..
	8 (b) Law, Medical Literature (Science), &c.	1	..	1	..	1	..	..	..	..	..	..	..	..	1	..	..
	9 (c) Unlicensed Practitioners, Dentists, Opticians, Nurses, &c.	..	..	1	..	1	..	2	..	..	..	..	..	1	..	..	..
Commercial	10 (a) General Merchants in Special Goods	..	..	45	..	4	4	21	..	..	..	..	..	14	4	..	..
	11 (b) Bankers, Accountants, Clerks, Capitalists, Shroffs, &c.	1	..	35	..	13	7	24	..	..	..	..	3	8	6	..	3
	12 (c) Shopkeepers, other General Dealers, Hawkers, etc.	1	..	90	..	10	6	40	..	..	..	..	2	37	33	1	4
	13 (d) Intoxicating Drinks and Drugs Dealers	..	..	1	..	1	..	2	..	..	..	..	1	2	1	..	..
	14 (e) Vegetable Food Dealers	..	..	1	..	..	1	1	..	..	..	..	..	2	1	..	..
	15 (f) Vegetable Substance Makers and Dealers	..	..	5	..	..	..	3	..	..	..	..	..	..	..	..	..
	16 (g) Animal Food Dealers, Fishers, &c.	3	..	14	..	..	2	6	..	..	..	..	..	6	2	..	5
	17 (h) Animal Substance Makers and Dealers	..	..	8	..	..	1	9	..	..	..	..	..	3	2	..	..
	18 (i) Entertainers, Hotel, Club, Refreshment House Keepers	..	..	3	..	1	..	8	..	..	..	..	..	1	..	..	..
	19 (j) Carriers on Road, Horse, Carriage, Cart Keepers	1	..	44	..	1	6	33	..	1	..	..	..	23	19	1	..
	20 (k) Carriers on Seas, Boatmen, Seamen, &c.	..	..	10	..	3	3	18	..	..	..	..	5	4	6	..	..
Railway	21 (a) Officials, Clerks, &c.	..	..	1	..	1	1	1	..	..	..	..	..	..	1	..	..
	22 (b) Workshop Servants, &c.	..	..	7	..	..	3	8	..	..	..	..	..	..	5	..	..
	23 (c) Labourers, Earth-workers, &c.	1	..	11	..	..	1	8	..	..	..	..	..	2	8	..	..
Port and Improvement Trusts and Harbour.	24 (a) Officials, Clerks, &c.	..	..	1	..	..	1	..	..	..	..	..	..	1	1	..	..
	25 (b) General Labourers, &c.	2	..	8	..	1	2	5	..	..	..	..	1	2	5	..	..
Tramway	26 (a) Officials, Clerks, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	27 (b) General Labourers	1	..	..	..	..	..	2	..	..	..	..	..	..	1	..	..
Industrial	28 (a) Metal, &c., Workshop-keepers, Mechanical Tools Makers	..	..	..	..	..	..	1	..	..	..		..	..	1	..	..
	29 (b) Metal, &c., Workshop Servants, Labourers, &c.	2	..	19	..	..	4	20	..	..	..	..	..	8	14	..	..
	30 (a) Mills (Cotton, Silk, &c.), Masters, Managers, Clerks, &c.	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..
	31 (b) Weavers, Spinners and other Workers	8	..	172	..	3	9	306	1	..	..	..	3	60	100	15	2
	32 (c) Dressers (Printing, &c.), Printers, &c.	..	..	6	..	1	1	11	..	..	..	..	1	4	5	..	..
	33 (d) Other General Labourers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

OCCUPATION in 1917.

Occupation.	DISEASES,							LOCAL DISEASES.												INJURIES.						
												RESPIRATORY SYSTEM.								GENERAL.						
	Premature Birth.	Debility.	Old Age.	Tubercle of Lungs.	Other Tubercular Diseases.	Other General Diseases.	Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Phthisis.	Other Diseases of Respiratory System.	Digestive System.	Lymphatic System.	Urinary System.	Generative System.	Organs of Locomotion and Connective Tissue.	Other Local Diseases.	Drowning.	Other General Injuries.	Local Injuries.	Poison.	Unspecified Causes.	TOTAL.
..	..	..	1	..	1	6	1	..	2	2	6	2	..	2	..	..	..	..	..	1	..	..	42
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	1	..	..	4	..	..	..	..	..	..	..	..	..	..	6
..	..	..	6	2	1	4	..	..	4	7	72	3	..	3	..	..	..	..	3	3	2	..	141
1	..	3	2	93	12	42	14	1	16	4	83	34	1	7	..	3	1	1	8	54	4	..	488
3	..	..	..	1	..	1	2	..	1	..	3	..	..	1	..	..	..	..	..	..	..	..	17
..	..	..	12	1	..	5	7	..	1	3	37	7	..	..	1	..	..	1	1	..	..	..	148
2	..	1	2	..	..	1	1	..	1	..	4	4	..	1	1	1	..	..	..	..	..	..	23
..	..	..	2	1	..	..	2	..	2	..	10	1	..	..	..	..	..	..	1	..	1	..	25
1	..	..	34	1	3	18	11	..	18	3	107	20	..	5	..	2	..	2	1	2	..	3	12[illegible]
4	..	..	18	7	3	12	12	..	14	13	73	20	..	10	1	..	..	1	7	3	1	1	300
4	..	2	81	10	5	47	27	..	29	40	319	48	1	12	3	1	..	5	8	6	3	1	476
..	..	..	1	..	..	4	1	..	1	5	19	4	..	2	..	1	..	..	2	1	..	..	49
..	..	..	4	..	..	..	..	..	1	1	8	1	..	..	..	1	..	..	1	..	..	..	23
..	..	..	5	..	..	..	..	..	..	3	14	1	..	2	..	..	..	..	..	..	..	..	33
..	..	..	16	..	..	1	2	..	1	4	19	3	..	1	..	..	..	..	..	..	..	..	85
..	..	..	13	..	..	2	2	..	1	3	45	6		1	1	..	..	..	1	..	..	1	99
..	..	..	4	..	..	5	2	..	2	5	25	6	..	..	..	..	..	..	1	..	1	..	70
..	..	1	25	3	2	17	5	1	10	22	196	16	..	3	1	1	1	..	3	5	2	3	110
..	..	..	6	3	..	4	4	..	7	5	49	8	..	2	..	..	..	1	15	2	1	1	157
3	..	..	..	1	1	5	2	..	2	3	5	3	..	..	..	..	..	..	1	..	..	1	33
..	..	..	1	..	..	3	1	..	3	3	15	4	..	1	..	..	..	..	2	..	1	..	57
..	..	..	3	..	..	..	..	..	1	1	26	4	..	..	..	..	..	..	2	2	..	..	77
..	..	..	..	..	..	2	1	..	..	..	9	2	..	..	..	..	..	..	..	..	..	..	15
..	..	..	9	4	..	2	1	..	3	5	13	5	..	1	..	..	..	..	6	3	1	..	104
..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	3
..	..	..	1	..	1	1	1	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	11
..	..	..	..	..	..	1	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	6
..	..	..	10	6	4	9	5	..	8	19	67	12	..	4	..	..	2	4	4	2	2		227
..	..	..	1	..	1	1	..	..	2	1	10	2	..	..	..	..	1	1	..	..	..		23
..	..	3	109	11	7	80	22	..	9	141	417	35	..	12	2	4	1	15	11	5	6	1	2,031
..	..	..	3	6	..	..	..	..	1	13	33	6	..	1	..	..	..	1	..	..	..	1	95
..	..	..	..	..	..	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	4

TABLE of Deaths by DISEASE and

Title of Orders.	Occupation or Trade of Family.	GENERAL.															
					FEVER.												
		Small-pox.	Measles.	Plague.	Scarlet Fever.	Enteric Fever.	Malarial Fever.	Ague and Remittent Fever.	Relapsing Fever.	Influenza.	Whooping Cough.	Diphtheria.	Cholera.	Diarrhœa.	Dysentery.	Puerperal Septicæmia.	Leprosy.
Art	34 (c) Engineers, Photographers, Electricians, Architects	..	..	..	..	1	2	1	..	..	..	..	..	2	..	..	..
	35 (b) Builders in Boats, Houses, Coaches, &c.	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..
	36 (c) Watchmakers, Gilders, Engravers, &c.	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..
	37 (d) Metal Workers, ...	..	..	23	..	2	2	17	..	..	..	..	3	7	6	..	..
	38 (e) Wood Workers	1	..	29	..	1	1	25	..	..	..	..	1	9	14	..	..
	39 (f) Stone Workers (Precious) ..	..	..	2	..	..	..	2	..	..	..	..	..	2	1	..	..
	40 (g) Leather Workers	1	..	10	..	..	..	18	..	..	..	..	..	4	7	..	..
	41 (h) Earth, Stone, Clay, &c., Workers	..	..	2	..	..	..	4	..	..	..	..	..	..	1	..	..
	42 (i) Textile Fabrics (Cotton, Silk, &c.), Workers	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..
	43 (j) Dyers, Painters, &c.	..	..	4	..	..	..	11	..	..	..	..	..	4	5	1	..
	44 (k) Glass Workers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	45 (l) Salt Workers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	46 (m) Water Workers	..	..	1	..	..	..	1	..	..	..	..	..	1	1	..	..
	47 (n) Miscellaneous Workers ..	1	..	28	..	2	2	31	..	1	..	..	..	18	14	2	1
	48 (o) Players, Actors, Dancers, Prostitutes, &c.	..	..	4	..	..	..	1	..	..	..	..	..	..	2	..	..
Agriculture ..	49 (a) Gardeners, Cultivators, Farmers, &c.	3	..	24	..	2	1	12	..	..	..	..	1	4	3	2	49
	50 (b) Grass, Hay, Forage, &c., Dealers	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
Other and unskilled.	51 (a) Barbers, Washers, Tailors, Cooks, Bakers, &c.	9	..	54	..	6	10	58	..	..	..	..	5	32	20	1	2
	52 (b) General Labourers	23	1	183	..	4	10	209	1	..	..	..	14	58	94	12	12
	53 (c) Domestic Servants, Bhistis, &c.	8	..	31	..	1	4	28	..	..	..	..	5	13	12	..	1
	54 (d) Servants not otherwise described	10	..	173	..	9	15	67	..	..	..	..	1	39	26	3	..
	55 (b) Municipal Bigaries, &c.	..	..	16	..	..	2	15	..	..	..	..	..	14	17	3	..
Persons of independent means.	56 (a) Landlords	..	..	3	..	..	..	6	..	..	..	..	..	1	2	..	..
	57 (b) Pensioners	..	..	..	..	..	..	4	..	..	..	..	..	4	3	..	..
	58 (c) Mendicants, &c.	3	..	14	..	1	6	20	1	..	..	..	..	45	14	..	1
Others	59 (a) Students	1	..	40	..	12	3	22	..	..	..	..	..	4	4	..	..
	60 (b) Prisoners and Convicts ..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
	61 (c) Others (Pilgrims, Travellers, etc.)	..	..	..	..	..	2	2	..	..	..	..	..	2	..	..	..
	62 Persons following no occupations—Male ..	5	..	62	..	6	21	44	1	..	..	..	1	64	30	..	2
	63 Do. no occupations—Female ..	27	1	230	..	28	51	343	..	2	..	1	8	308	164	210	2
	64 Do. no occupations—Children ..	149	219	250	..	25	38	558	..	..	14	4	1	771	276	..	..
	Total ..	269	221	1,706	..	170	262	2,012	5	5	14	5	61	1,410	981	252	96

—*concld.*

OCCUPATION in 1917—*concluded.*

DISEASES—*concld.*								LOCAL DISEASES—*concld.*												INJURIES—*concld.*					
											RESPIRATORY SYSTEM.								GENERAL.					
Cancer.	Premature Birth.	Debility.	Old Age.	Tubercle of Lungs.	Other Tubercular Diseases.	Other General Diseases.	Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Phthisis.	Other Diseases of the Respiratory System.	Digestive System.	Lymphatic System.	Urinary System.	Generative System.	Organs of Locomotion and Connective Tissue.	Other Local Diseases.	Drowning.	Other General Injuries.	Local Injuries.	Poison.	Unspecified Causes.	TOTAL.
..	..	..	3	..	..	..	2	1	4	1	7	5	..	1	..	..	..	..	..	..	..	..	30
..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	5
..	..	..	1	..	..	..	1	..	1	..	4	1	..	1	..	..	..	..	..	..	..	..	11
1	..	..	24	8	4	6	7	..	1	21	32	14	..	1	2	1	1	..	3	1	..	..	231
..	..	..	31	1	8	13	1	..	5	9	100	12	..	2	1	..	..	1	6	..	2	..	268
1	..	..	7	..	..	..	..	..	..	2	17	1	..	..	..	..	..	..	..	..	..	..	47
..	..	..	20	2	..	3	1	..	3	9	72	5	..	..	..	..	1	..	..	1	2	..	154
..	..	..	2	..	..	2	..	..	..	..	10	..	..	..	..	..	..	..	..	1	..	..	22
..	..	..	2	..	..	1	..	..	..	3	2	4	..	..	..	..	..	..	1	..	1	..	17
2	..	..	6	4	1	8	2	..	..	6	43	16	..	4	..	1	..	..	..	3	..	..	116
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	4
..	..	..	..	..	..	..	..	..	1	..	9	2	..	..	..	..	..	..	..	..	..	..	16
..	..	..	82	3	1	8	9	..	3	26	119	11	..	1	..	3	1	3	6	2	..	1	324
..	..	..	3	1	1	2	..	..	..	8	12	..	..	2	1	..	..	..	1	1	2	1	42
..	..	..	17	2	..	3	..	..	1	6	59	8	..	3	1	1	..	..	3	2	1	..	208
..	..	..	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	3
3	..	1	181	28	7	27	16	..	21	36	307	35	1	8	3	4	1	2	6	3	1	..	878
..	..	3	108	28	12	57	9	..	15	146	369	60	1	11	8	10	..	6	47	24	7	2	2,043
..	..	1	19	6	4	14	6	..	9	19	98	13	..	6	..	4	..	1	9	2	..	..	314
5	..	2	89	22	16	26	12	1	20	47	270	39	1	6	3	1	..	..	3	2	..	1	849
..	..	1	9	4	..	7	2	2	5	19	69	6	..	4	..	2	..	..	7	3	..	1	208
1	..	..	6	1	..	6	2	..	5	1	7	2	..	2	..	..	..	..	2	..	..	..	47
3	..	..	31	1	..	6	10	..	4	1	42	4	1	1	..	..	..	..	1	..	..	..	116
1	..	2	47	22	10	18	4	..	8	27	126	14	..	8	..	5	..	1	10	2	1	..	406
..	..	1	..	5	6	5	2	..	2	3	31	7	..	..	..	2	..	3	4	1	..	..	108
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	7
..	..	..	2	..	..	3	..	..	..	..	7	..	..	..	..	..	..	..	1	..	..	..	19
7	..	9	161	46	20	63	43	..	17	53	236	43	..	31	4	6	2	16	27	7	4	9	1,039
43	..	13	810	96	66	309	102	3	65	644	1,834	200	7	100	164	17	3	13	52	19	7	8	5,560
1	346	2,537	..	7	31	1,915	1,646	..	16	42	5,175	712	2	28	23	8	3	15	60	14	7	7	14,199
86	346	2,579	1,991	427	243	2,127	2,063	9	369	1,448	11,231	1,475	15	292	219	79	15	91	344	179	60	45	33,390

TABLE of DEATHS by Race, Age and Sex in 1917.

RACE.	Ages.																			
	1 to 30 days.		1 to 6 months.		7 to 12 months.		1 to 2 years.		2 to 3 years.		3 to 4 years.		4 to 5 years.		5 to 10 years.		10 to 15 years.		15 to 20 years.		20 to 25 years.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jains	46	35	77	61	76	98	50	50	13	18	6	7	6	7	33	16	37	24	76	79	66	49
Brahmins	61	55	67	71	92	71	54	35	19	16	5	9	3	4	12	20	20	19	56	51	87	57
Lingaits	12	5	10	8	6	10	10	7	7	9	...	...	...	1	4	8	3	3	5	9	5	8
Bhatias	12	9	11	2	8	6	1	8	3	2	1	...	...	...	1	6	4	5	5	19	6	8
Hindus of other Castes ...	831	650	603	559	752	752	514	556	216	228	122	121	90	82	267	299	274	250	722	481	938	520
Hindus, Low Castes... ...	249	236	232	215	279	290	215	245	76	93	28	29	22	19	67	82	50	35	91	78	169	89
Mussalmans	250	235	294	251	295	261	305	212	73	65	45	33	26	23	101	115	109	116	244	248	325	292
Parsees	28	39	26	19	47	45	41	40	8	8	4	10	2	4	10	14	12	9	15	18	17	10
Jews	10	7	8	6	7	5	5	4	2	2	1	2	...	...	2	3	3	5	5	6	3	8
Indian Christians	93	78	71	78	50	39	31	34	8	15	5	1	2	4	12	18	31	15	46	35	65	58
Eurasians	2	5	6	5	4	2	3	1	2	2	...	1	...	...	1	1	1	1	2	4	5	2
Europeans	5	3	6	4	1	5	3	2	...	1	...	...	...	1	3	1	1	1	17	5	35	3
Negro Africans	2	...	1	1	1	...	1	...	...	...	...	...	...	...	...	2	...	...	...	2	2	...
Buddhists	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	3	1	7	1
Other and Unknown Castes ...	12	15	...	...	...	..	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
All Castes .. Males	1,603	...	1,412	...	1,619	...	1,133	...	427	...	217	...	151	...	502	...	536	...	1,287	...	1,730	...
All Castes .. Females ...	...	1,372	...	1,280	...	1,584	...	1,194	...	459	...	213	...	145	...	586	...	483	...	1,036	...	1,105
All Castes .. Persons ...	2,975		2,692		3,203		2,327		886		430		296		1,088		1,019		2,323		2,835	

TABLE of DEATHS by Race, Age and Sex in 1917—*concluded.*

Race.	Ages—*concld.*																				
	25 to 30 years.		30 to 35 years.		35 to 40 years.		40 to 45 years.		45 to 50 years.		50 to 55 years.		55 to 60 years.		60 and over.		Unspecified Ages.		All Ages.		Persons.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.	Males.	Females.	
Jains	58	34	46	25	42	19	32	11	44	14	26	10	35	13	54	42	...	...	813	606	1,419
Brahmins	52	34	38	19	37	16	40	12	33	7	22	10	35	14	65	55	...	...	798	575	1,373
Lingaits	11	5	5	2	8	4	2	1	8	4	2	...	8	5	7	4	...	...	105	93	196
Bhatias	4	6	7	10	7	6	5	5	7	8	6	4	6	3	17	16	...	...	111	123	234
Hindus of Other Castes	860	494	641	299	552	260	335	149	424	216	220	93	385	260	616	700	...	1	9,352	6,970	16,322
Hindus, Low Caste	148	123	101	46	88	49	42	24	70	58	26	16	82	78	96	117	...	...	2,181	1,917	4,048
Mussalmans	354	233	278	183	285	123	148	75	196	91	80	41	207	115	388	285	1	...	3,904	2,947	6,851
Parsees	14	21	18	26	29	25	26	21	23	21	32	19	29	25	121	133	...	...	502	507	1,009
Jews	2	5	9	5	...	3	2	2	2	2	2	5	4	4	7	16	...	...	69	90	159
Indian Christians	56	43	38	42	44	26	40	19	32	16	26	15	29	19	53	37	...	...	722	592	1,314
Eurasians	3	4	5	4	4	2	1	2	6	2	5	3	4	1	7	5	...	...	61	47	108
Europeans	29	1	23	5	16	4	14	3	14	6	13	2	8	3	15	9	...	...	202	58	260
Negro-Africans	2	1	...	...	1	...	...	...	2	...	...	...	1	...	1	...	...	...	14	6	20
Buddhists	10	...	7	...	6	...	3	...	1	...	...	...	...	...	...	1	...	...	38	5	43
Other and Unknown Castes ...	1	...	1	...	1	...	...	...	1	...	...	...	...	...	...	...	1	1	18	16	34
All Castes. Males	1,604	...	1,211	...	1,115	...	690	...	859	...	460	...	833	...	1,447	...	2	...	18,838	...	
All Castes. Females	...	1,004	...	616	...	531	...	324	...	445	...	218	...	535	...	1,420	...	2	...	14,552	
Persons	2,608		1,827		1,646		1,014		1,304		678		1,368		2,867		4		33,390		

TABLE showing by Race the Rate of Mortality per 1,000 of Population from different Death Causes in 1917 :—

Race or Caste.	Small-pox.	Measles.	Plague.	All Fevers.	Scarlet.	Enteric.	Malaria.	Ague and Remit-tent.	Relaps-ing.	Cholera.	Diar-rhœa.	Dysen-tery.	Phthisis.	Other Respira-tory Diseases.	Acci-dents.	All other Causes.	All Causes.
Jains	·68	·43	8·40	3·51	.....	·34	·58	2·59	.....	·09	2·83	1·27	2·05	25·65	1·07	23·31	69·35
Brahmins	·33	·22	1·64	2·42	.....	·18	·27	1·95	.....	·01	·98	·74	1·09	8·59	·37	9·15	25·58
Lingaits	·84	.....	10·17	14·41	.....	·84	.....	13·57	.....	.....	4·24	3·39	15·26	49·19	1·69	67·00	166·24
Bhatias	.....	·25	·89	3·34	.....	·77	·38	2·18	.....	.....	2·31	·38	2·18	5·91	·89	13·88	30·07
Hindus of other Castes	·27	·21	1·74	2·53	.....	·12	·22	2·18	·005	·04	1·38	·90	1·57	10·62	·56	10·00	29·32
Hindus, Low Caste	·46	1·05	2·06	3·90	.....	.....	·20	3·70	.....	·37	4·24	2·59	3·39	29·31	1·12	26·40	74·63
Hindus, All Castes	*·30*	*·28*	*1·96*	*2·69*	.....	*·13*	*·23*	*2·32*	*·004*	*·04*	*1·59*	*1·03*	*1·72*	*12·40*	*·61*	*11·77*	*34·46*
Mussalmans	·10	·07	1·36	2·12	.....	·10	·27	1·73	·01	·03	1·86	1·00	3·12	12·11	·90	15·57	38·31
Parsees	·07	·09	·80	1·43	.....	·37	·17	·88	.....	·07	1·27	·45	·54	3·65	·47	10·91	19·81
Jews	.....	·30	·75	1·86	.....	.....	·45	·90	.....	.....	·60	·90	1·97	5·76	·30	12·13	24·10
Indian Christians	·77	·07	1·67	2·27	.....	·50	·48	1·28	.....	·29	2·20	·77	1·67	6·85	·46	14·77	31·83
Eurasians	.....	·23	.....	3·58	.....	1·67	·95	·95	.....	.....	2·62	1·43	1·91	3·82	.....	12·17	25·78
Europeans	·50	.....	·35	2·18	.....	1·17	·84	·25	.....	·33	·67	1·84	·84	2·52	2·27	10·42	21·85
Buddhists	.....	.....	.....	6·92	.....	1·73	5·19	.....	.....	.....	1·73	5·19	5·19	6·92	3·46	44·98	74·39
Other and Unknown Castes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7·35	.....	7·35	51·47	102·94	80·88	250·00
Total	·27	·22	1·74	2.50	.....	·17	·28	2·05	·005	·06	1·64	1·00	1·91	11·46	·68	12·57	34·09

TABLE of BIRTHS in different months by Caste and Sex in 1917.

MONTHS.	Jains.		Brahmins.		Lingaits.		Bhatias.		Hindus of other Castes.		Hindus, Low Caste.		Mussalmans.		Parsees.		Jews.		Indian Christians.		Eurasians.		Europeans.		Negro-Africans.		Buddhists.		Other and unknown Castes.		TOTAL.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Persons.
January	11	7	34	26	1	6	4	7	467	466	118	141	215	163	65	66	8	7	46	41	4	7	12	18	...	...	1	...	...	...	986	955	1,941
February	10	12	27	28	...	2	2	6	369	352	121	92	171	153	46	57	8	15	50	38	3	6	11	8	...	...	2	...	1	1	811	763	1,574
March	9	14	24	27	1	4	4	5	397	377	117	105	183	156	40	50	14	3	48	47	3	4	6	5	...	...	...	...	...	...	846	797	1,643
April	20	10	28	26	2	...	7	4	341	357	124	94	130	144	37	39	7	8	40	38	6	4	8	2	...	...	...	...	...	...	750	726	1,476
May	6	3	24	21	1	1	4	5	391	353	127	120	146	148	51	52	10	11	44	32	2	5	8	8	...	...	...	...	...	...	814	759	1,573
June	6	6	21	25	3	1	3	5	362	355	117	95	158	153	59	52	8	13	47	42	1	5	8	7	...	...	1	...	1	1	795	760	1,555
July	8	5	25	24	8	6	2	4	464	390	119	123	162	157	76	64	9	16	50	39	6	5	9	8	...	...	...	...	2	...	940	841	1,781
August	19	15	33	27	4	8	8	8	438	430	129	147	175	177	68	55	12	10	52	50	4	8	8	6	...	...	...	1	1	...	940	937	1,877
September... ...	17	14	32	35	5	6	4	6	478	431	152	144	153	166	53	53	7	13	34	50	6	7	8	2	...	...	...	1	1	1	950	929	1,879
October	13	16	28	28	4	5	6	6	535	500	143	129	182	165	74	59	18	8	70	68	7	7	12	12	...	...	1	1	2	1	1,095	1,005	2,100
November	12	22	26	29	2	1	9	8	513	500	158	150	185	171	87	100	20	12	65	67	5	2	10	13	2	1	2	...	1	...	1,097	1,076	2,173
December	19	12	34	31	3	4	9	7	477	508	169	157	158	182	81	66	9	13	60	55	10	4	5	4	...	...	1	...	...	1	1,035	1,044	2,079
Total ... Males ...	150	...	335	...	34	...	62	...	5,222	...	1,594	...	2,018	..	727	...	130	...	606	...	57	...	105	...	2	...	8	...	9	...	11,059	...	
Total ... Females.	...	136	...	327	...	39	...	71	...	5,019	...	1,497	...	1,935	...	713	...	127	...	562	...	64	...	93	...	1	...	3	...	5	...	10,592	
Total ... Persons.	286		662		73		133		10,241		3,091		3,953		1,440		257		1,168		121		198		3		11		14		21,651		21,651

TABLE showing the number of Still-births by Race and Month in 1917.

MONTHS.	MALES.															FEMALES.														PERSONS.													
	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Musalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Castes.	Total.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Musalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Castes.	Total.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Musalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Castes.	Total.
January.. ..	1	7	1	1	44	14	15	2	2	3	..	1	..	..	4	95	2	.	1	..	24	9	18	4	1	6	1	..	..	..	2	.	3	7	2	1	68	23	23	6	2	9	1	1	..	..	6	163
February ..	3	2	..	..	24	10	19	3	..	4	..	..	..	..	2	67	4	2	..	..	27	8	15	2	..	2	..	..	..	..	1	61	7	4	..	..	51	18	34	5	..	6	..	..	..	..	3	128
March	4	..	..	1	29	6	21	3	1	4	1	..	..	..	..	70	3	1	..	..	30	7	14	3	..	1	1	..	..	..	..	60	7	1	..	1	59	13	35	6	1	5	2	..	..	..	..	130
April	1	1	1	1	30	10	23	1	1	2	1	..	..	..	1	73	1	1	..	..	33	11	12	2	..	2	..	..	..	..	1	63	2	2	1	1	63	21	35	3	1	4	1	..	..	..	2	136
May	3	4	..	..	36	8	17	2	1	0	..	..	..	..	3	83	2	3	..	..	28	5	11	..	..	2	..	..	..	..	3	54	5	7	..	..	64	13	28	2	1	11	..	..	..	..	6	137
June	..	1	1	..	30	11	17	2	2	4	..	1	..	..	3	72	1	2	1	1	27	12	15	..	1	2	..	1	..	..	..	63	1	3	2	1	57	23	32	2	3	6	..	2	..	..	3	135
July	2	3	..	2	39	7	28	3	..	2	..	..	..	..	1	87	2	2	1	1	30	11	14	2	..	1	..	..	1	..	2	67	4	5	1	3	69	18	42	5	..	3	..	..	1	..	3	154
August	4	3	..	1	44	16	20	..	1	2	..	1	..	..	5	97	2	1	..	1	49	13	12	3	..	4	1	..	..	..	1	87	6	4	..	2	93	29	32	3	1	6	1	1	..	..	6	184
September ..	2	2	2	1	52	14	12	6	..	3	..	2	..	..	1	99	6	2	1	1	43	10	12	3	2	7	..	..	..	1	..	88	8	4	3	2	95	24	24	9	2	12	..	2	..	1	1	187
October	4	9	2	2	48	11	16	2	2	3	1	..	..	..	1	101	1	1	..	1	39	16	18	5	1	2	..	..	..	..	3	92	5	10	2	3	87	27	29	7	3	5	1	..	..	..	4	193
November ..	1	4	..	1	39	10	23	7	..	5	..	1	..	..	2	93	5	3	..	..	31	12	13	7	1	4	1	2	..	..	1	80	6	7	..	1	70	22	36	14	1	9	1	3	..	..	3	173
December ..	5	2	..	..	52	12	23	5	2	5	..	..	..	..	3	109	7	4	..	..	26	10	14	..	1	4	..	..	..	..	3	69	12	6	..	..	78	22	37	5	3	9	..	..	..	..	6	178
Total ..	30	38	7	10	467	129	234	36	12	48	3	6	..	..	26	1,046	36	22	4	5	387	124	163	31	7	37	4	3	1	1	17	842	66	60	11	15	854	253	397	67	19	35	7	9	1	1	43	1,888

TABLE showing the number of Still-births by Section and Month in 1917.

MONTHS.	A					B				C						D					E							F			G		Harbour, Docks, Railways and Homeless.	Total.
	Upper Colaba.	Middle and Lower Colaba.	Fort, South.	Fort, North.	Esplanade.	Mandvi.	Chakla.	Umarkhadi.	Dongri.	Market.	Dhobi Talao.	Pydhonie.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Khetwadi.	Girgaum.	Chowpatti.	Walkeshwar.	Mahalakshmi.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Parel.	Sewri.	Sion.	Mahim.	Worli.		
January ..	2	1	..	1	1	8	4	14	3	1	6	4	6	10	3	5	5	2	3	4	4	8	3	11	3	10	2	3	4	2	5	25	..	168
February ..	1	..	..	3	..	2	1	14	2	3	5	3	2	3	2	6	5	2	3	3	4	2	3	3	4	17	3	6	1	8	9	8	..	128
March ..	..	2	..	2	3	3	5	9	2	2	4	2	3	7	2	3	9	2	1	4	4	4	4	5	3	15	..	5	2	7	5	11	..	130
April ..	..	4	..	3	2	7	3	6	4	1	2	..	3	5	2	1	5	3	1	5	2	9	4	10	1	16	..	3	1	5	5	18	..	136
May	..	1	..	1	2	6	4	10	1	2	4	4	7	3	7	5	6	1	..	1	2	6	..	12	3	7	2	7	5	6	3	14	..	137
June	1	1	..	1	4	2	3	10	4	3	1	3	5	3	4	5	4	2	1	3	3	5	4	7	3	11	1	12	2	5	5	17	..	135
July	..	2	..	5	2	4	5	20	3	4	3	3	3	5	7	4	3	..	..	2	6	2	3	6	6	10	..	9	5	4	4	14	..	154
August ..	..	5	..	5	5	7	6	7	4	2	2	7	2	6	8	5	3	2	1	3	7	3	3	8	3	17	..	14	3	8	3	18	..	184
September ..	1	2	..	6	3	5	1	12	2	5	10	3	3	2	11	6	2	..	..		8	10	4	15	5	15	1	7	5	3	7	22	...	167
October ..	..	2	..	3	3	4	2	10	5	5	3	2	7	7	1	6	3	3	3	6	6	5	2	17	2	17	2	17	5	1	4	19	..	183
November ..	1	2	1	7	5	3	4	6	7	9	6	1	1	3	6	7	9	2	1	4	7	6	5	14	6	15	2	7	5	3	6	10	..	173
December ..	1	1	..	4	3	2	3	13	3	9	4	7	5	3	5	7	6	3	5	4	7	3	7	9	6	16	1	3	2	6	5	15	1	178
Total ..	7	23	1	47	33	53	41	131	40	46	60	45	53	57	58	60	65	22	19	44	60	75	42	117	45	166	14	103	40	58	71	191	1	1,383

STATEMENT showing the number of DEATHS from Principal Causes in different Hospitals in the City of Bombay for the year 1917.

HOSPITALS.	GENERAL DISEASES.																								LOCAL DISEASES.														Injuries.		Unspecified Causes.		TOTAL.		
	Still-born.		Small-pox.		Measles.		Plague.		Fevers.		Cholera.		Diarrhœa and Dysentery.		Puerperal Septicæmia.		Leprosy.		Premature Birth.		Other General Diseases.		Nervous System.		Circulatory System.		Phthisis.		Other Diseases of the Respiratory System.		Digestive System.		Urinary System.		Generative System.		Other Local Diseases.									
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Persons.
Adams Wylie Memorial Hospital																																													
Albless Cama Hospital	86	62		1					5	1			13	4							41	12	2		3		18	3	19	3	3	2	2	1		3	2	1					108	80	188
Arthur Road Hospital			46	31	2	3			4	1	14	7	12	7							19	46	6	11		6			1	10	2	15		3		12			2				62	138	200
Ayurvedic Hospital																					2	1	1				6	1	8		1								1				90	51	147
Bai Motiabai and Sir D. M. Petit Hospital	89	85							4	2			6	5		5			20	40	3	15	11	13		3	1		16	16	3	10	1	6	8	17		2			1		74	114	188
Bai Rukshamani Lying-in-Hospital	12	16								1			1						16	10		2	2	3																			20	16	36
Dr. Bhajekar's Hospital																1					1	2		1					1		2		1									6	4	10
E. D. Petit Parsee General Hospital	1	2						1	1				4	3					2		4	10	4		4	2	1		6	4	5		2					1	2				35	21	56
Colaba Station Hospital																				1																								2	2
Goculdas Tejpal Hospital	1			1					21	3			60	9					35	24	16	1	7		3	1	21	3	16	3	3	1		5		1					222	52	274
Sir J. J. Hospital							2	1	37	9	3		73	12							225	73	20	15	17	6	36	19	155	20	82	12	27	9	5	2	25	6	36	9	1		744	192	936
Lady Hardinge War Hosp.									18				26						1		56	2	4		3				35		5		2				8		5				157	2	159
Dr. Kerrawalla's Hospital	4	5											2						2	1	2	2	1		1	1							1						1				10	4	14
Marine Lines War Hospl.		1						1	11				10						45	1	31	1	5				3		45	1	7		1						4				118	3	121
Matunga Leper Asylum													1				48	34	1																								49	35	84
Maratha Hospital	1						286	78	3	1											4	5	4				1		6	1													303	85	388
Municipal Maternity Home	12	14							1					1					5	4				2		1		1		1													6	10	16
Dr. Mistha's Hospital	10	7							6	4			2						3	7	10	12	3	1	5				8	3	6	2	5	4		4	1				1		49	38	87
Dr. Parekh's Hospital	4	1																	2	2																								2	3	5
Parsee Fever Hospital							12	8																																				12	8	20
Parsee Lying-in-Hospital	7	11							1				1	1					3	6		1		2					1	4						1	2	2		1				8	18	26
Bombay Hospital for Women and Children	1									1																			16														1	1
Police Hospital									2				1							2																								21		21
Dr. Puranlare's Hospital	2	5															1	1			1																								1	2	3
St. John's Hospital																																													1	1
St. Joseph's Foundling Home									4	4			1	7					3		30	42	3	4		1		1	1	2	17	19	3	4									62	84	146
St. George's Hospital	2	2							10	6		1	13	9					2		15	7	6	2	1	1	2		12	3	16	4	3	1		1	1		3	1		1	84	37	121
Seva Sadan Hospital		1																																											
Colaba War Hospital	2		6				1		7	2	2		5	2							12	1	4	1		1			9	3	6	1				1			1			60	11	71
Labour Corps War Hospl.									12				14								62		2		7		2		18		10	1										129		129
Alexandra War Hospital									1				1																		1						1						3		3
Maharaja Gaikwar's Officer's War Hospital													1								1																							2		2
Cumballa Hill War Hospl.									1				3								1								1										5				11		11
Gerard Freeman Thomas War Hospital									2				3								3		2				1		3										4				18		18
Malbar Hill War Hospital																					1																							1		1
Rest Camp, Dadar																													1															1		1
Dr. Deshmukh's Private Hospital																					1																									
Memon General Hospital									1												1																							2	2	2
Colaba Maternity Home	2	2																	5																										5	5
Parel Maternity Home	18	9																	11	3	3	3	1	1					1		2	1	2										16	9	25
Victoria War Hospital									5				7								6	6	4		3				4							3							31		31
TOTAL... Males	234		52		2		301		157		19		266				48		101		620		101		64		73		454		188		59		19		41		101		4		2,660		
Females		223		32		3		89		38		9		65		8		34		80		262		57		22		26		79		70		32		44		11		15		2		978	
Persons	457		84		5		390		195		28		331		8		82		181		882		158		76		99		533		258		91		63		52		116		6				3,638

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TABLE showing the Number of Plague Deaths by Streets and Races during 1917.

Locality.				Races.																
Ward.	Section.	Street.	Population by Census of 1911.	Jains.	Brahmins.	Kingaits.	Bhatias.	Hindus of Other Castes.	Low Hindus, Caste.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Upper Colaba.																	
A	Upper Colaba.	Colaba Road	1,557	...	1	...	...	5	1	1	...	...	...	...	...	...	...	...	8
		Pilot Bunder Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Middle and Lower Colaba.																	
	Middle and Lower Colaba.	Arthur Bunder Road	19,379	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Borah Street		...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	10
		Colaba Causeway		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Colaba Cross Road		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Colaba Road		...	...	...	...	8	1	...	...	...	...	...	...	...	...	...	9
		Cuff Parade Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Gun Carriage Road		1	...	...	...	14	1	...	...	...	...	...	...	...	...	...	16
		Hamal Street		...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	15
		1st Koli Lane		...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	3
A		2nd „ „		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		4th „ „		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		5th „ „		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Manekji Street		...	...	...	...	5	...	1	...	...	...	...	...	...	...	...	6
		Merewether Road		...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	3
		Nowroji Street		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Ormiston Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Pestonji Street		1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	3
		Thomas Street		2	1	...	...	19	1	1	...	...	...	...	...	...	...	...	24
		Victoria Bunder Road ...		...	...	...	...	9	8	...	...	...	...	...	...	...	...	...	17
		Wodehouse Road		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		Fort, South.																	
	Fort, South.	Elphinstone Circle	3,492	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
A		Esplanade Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Green Street		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Medow Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Fort, North.																	
	Fort, North.	Bazar Gate Street	25,400	2	...	...	...	1	...	...	...	...	1	...	1	...	...	...	5
		Bomanji Lane		...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	2
		Borah Bazar Street ...		1	...	...	...	3	...	...	4	...	...	...	...	...	...	...	8
		Cawasji Patel Street ...		...	...	...	...	1	...	...	3	...	...	...	...	...	...	...	4
		Cochin Street		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		Dwarkadass Cross Lane ...		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Frere Road		2	...	...	...	3	...	...	...	...	1	...	...	...	...	...	6
		Goa Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Ghoga Street		...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	3
		Gunbow Street		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
A		Hornby Road		...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	1
		Jivaji Lane		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Karwar Street		...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	2
		Kompta Street		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Mangesh Senoi Street ...		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Manordass Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Maruty Lane		...	...	...	...	5	...	1	1	...	...	...	...	...	...	...	7
		Mint Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mody Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mody Street		3	...	...	...	1	...	2	2	...	1	...	...	...	...	...	9
		Parsee Bazar Street		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Police Court Lane		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Esplanade.																	
	Esplanade.	Carnac Road	17,761	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Esplanade Road		...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	2
		Frere Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
A		Hornby Road		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Hospital Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Paltan Road		...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	2
		St. Georges Road		...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	3

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1917—*continued.*

Locality.				Races.																
Ward.	Section.	Street.	Population by the Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Mandvi.																	
B	Mandvi.	Argyle Road	38,203	1	...	...	...	4	1	...	...	...	...	...	...	...	...	...	6
		Bhandari Street		3	...	...	...	...	...	1	...	...	...	...	...	...	...	...	4
		Broach Street		2	...	...	...	2	...	..	...	...	...	...	...	...	...	...	4
		Carnac Road		1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2
		Cranac Siding Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Chukla Street		3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
		Chukla Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Chinch Bunder Road		7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
		Clive Road		1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		Daryasthan Street		2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	4
		DeSouza Street		4	1	...	..	2	...	...	...	...	...	...	...	...	...	...	7
		Dongri Road		7	2	...	...	4	...	1	...	...	...	...	...	...	...	...	14
		Garibdas Street		1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2
		Isaji Street		...	2	...	...	1	...	...	...	...	...	...	...	...	...	...	3
		Jambli Street		2	...	...	...	...	4	...	...	...	...	...	...	...	...	...	6
		Jambli 1st Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Jambli 2nd Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Janjikar Street		...	1	...	...	3	1	1	...	...	...	...	...	...	...	...	6
		Kazi Sayad Street		1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2
		Musjid Bunder Road		2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
		Masjid Siding Road		2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
		Masjid Station Road		...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	3
		Old Bengalpura Road		...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	2
		Pydhoni Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Rasal Street		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		1st Samuel Street		2	...	...	1	...	...	1	...	...	...	...	...	...	...	...	4
		2nd " "		1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	3
		Tantanpura		...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	2
		Chukla.																	
B	Chukla.	Abdul Rehman Street	24,291	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4
		Bhajipala Street		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Bibijan Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Chukla Street		2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	3
		Hosen Khan Khalifa Street		...	...	...	...	...	1	5	...	...	...	...	...	...	...	...	6
		Janjikar Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Jakeria Masjid Road		...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	3
		Kambeker Street		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
		Kolsa Street		...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
		Musjid Bunder Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Masjid Siding Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Memonwada Road		1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2
		Nagdevi Street		...	...	...	...	...	1	3	...	...	...	...	...	...	...	...	4
		Nagdevi Cross Lane		...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	2
		Nakhoda Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		1st Narayan Dhuru Street		2	1	...	...	1	...	1	...	...	...	...	...	...	...	...	5
		2nd Narayan Dhuru Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Sarang Street		...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1917—*continued.*

Ward.	Section.	STREET.	Population by Census of 1911.	RACES. Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Low Caste Hindus.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Umarkhadi.																	
B	Umarkhadi.	Babula Tank Road	45,679	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Chuna Bhatti		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		1st Chich Bunder Road		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
		Dongri Street		...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4
		Imamwada Compound I. T. Chawl		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Imamwada Road		...	...	...	...	2	...	3	...	...	...	...	...	...	...	...	5
		Jail Road, East		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Jail Road, Cross North		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Jail Road, South Cross Lane		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Jakeria Masjid Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kambekar Street		...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	7
		Memonwada Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Mirzaalli Street		...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	6
		Nagdevi Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Nagdevi Street, Telli Galli		...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4
		Nishanpada Road		...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	8
		Nishanpada Cross Road		...	...	...	...	4	...	4	...	...	...	...	...	...	...	...	8
		B. B. Parel Road		...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	3
		Piru Lane		...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	9
		Samuel Street		...	...	...	...	..	...	2	...	...	...	...	...	...	...	...	2
		Tandel Street		...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3
		Tandel Street Cross Road		...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4
		Tantanpura Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Umarkhadi Road		1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2
		Umarkhadi 1st Lane		...	...	...	...	5	...	...	...	2	...	...	...	...	...	...	7
		Road Side		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
				...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Dongri.																	
C	Dongri.	Argyle Road	27,246	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Chinch Bunder Road		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		Chinch Bunder Valpakhadi		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Clive Road		...	...	...	...	3	2	...	...	...	...	...	...	...	...	...	5
		Dongri Street		...	...	...	...	1	...	4	...	...	...	...	...	...	...	...	5
		Jail Road, East		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kalyan Street		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
B		1st Nowrojee, North		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		1st Nowrojee, North Tad		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		1st Nowrojee North 2nd Cross Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		1st Nowrojee, South		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		2nd Nowrojee, North		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Mazgaon Road		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Princess Dock Compound		...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	2
		Wadi Bander Road		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Market.																	
C	Market.	Abdul Rehman Street	30,172	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	3
		1st Agiary Lane		1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		Carnac Road		...	...		1	...	...	...	...	...	...	...	...	...	...	...	1
		Dhanji Street		3	...	...	...	...	...	...	1	...	...	...	...	...	...	...	4
		Ganeshwadi		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kalbadevi Road		2	1	...	1	1	...	...	...	...	...	...	...	...	...	...	5
		Lohar Chawl Street		1	1	...	...	2	1	...	...	...	...	...	...	...	...	...	5
		Masjid Bunder Road		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Mumbadevi Road		1	2	...	...	1	...	...	...	...	...	...	...	...	...	...	4
		Old Hanuman Lane		4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
		Old Hanuman 1st Cross Lane		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Owalwady		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Picket Road		...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
		Princess Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Shaik Memon Street		8	...	...	...	2	...	...	...	...	...	...	...	...	...	...	10
		Shamshet Street		3	...	...	...	...	...	1	...	...	...	...	...	...	...	...	4
		Sutar Chawl		1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		Telwadi		1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2
		Vithaldas Road		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Vithalwadi		1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	2

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1917—*continued.*

Ward.	Section.	STREET.	Population by Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Dhobi Talao.																	
C	Dhobi Talao.	Cavel Street	38,084	...	2	...	...	3	...	...	...	...	1	...	...	...	...	...	6
		Chandanwadi Street		...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	5
		Dhobi Talao Road-side		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Girgaum Road		...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	6
		1st Kolbhat Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kolbhatwady		...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	3
		Kalbadevi Road		...	3	...	...	5	...	...	...	...	...	...	...	...	...	...	8
		Lahor Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		1st Marine Lane		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		3rd Marine Lane		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		4th Marine Lane		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Popat Wadi		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Ropa Lane		...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	2
		Sonapur Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Trinity Street		...	...	...	...	2	...	...	2	...	...	...	...	...	...	...	4
		Wellington Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Fanaswadi.																	
C	Fanaswadi.	Anantwady	27,403	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Bhasker Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Burrows Lane		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Dukerwady		...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2
		Fanaswadi Street		...	3	...	...	7	...	...	...	...	...	...	...	...	...	...	10
		Fanaswadi Cross Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Girgaum Road		...	...	...	...	4	...	...	2	...	...	...	...	...	...	...	6
		New Wady		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		1st Sonapur Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Thakurdwar Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Tadwady		...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	2
		Zaoba's Wady		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Bhuleshwar.																	
C	Bhuleshwar.	Ali Umer Street	36,469	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
		3rd Bhoiwada Lane		...	3	...	...	2	...	...	...	...	...	...	...	...	...	...	5
		Bhuleshwar Road		...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	4
		Bapu Khote Street		1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	3
		B. B. Parel Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Banian Road		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		C. P. Tank Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Dadyset Agiary Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Erskine Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Ghogari Street		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
		1st Ghogari Cross Lane		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Girgaum Back Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		2nd Ghogari Cross Lane		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Hargovind Desai's Wadi		...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2
		Kalbadevi Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Kika Street		...	1	...	...	7	...	...	...	...	...	...	...	...	...	...	8
		Masjid Street		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
		Malharrao Wady		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Maruty Lane		1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	4
		Nizam Street		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Panjrapole Street		...	2	...	...	4	...	...	...	...	...	...	...	...	...	...	6
		Panchayet Wady		...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		1st Pophal Wady		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		2nd do. do.		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1917—*continued.*

Ward.	Section.	STREET.	Population by Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Khara Talao.																	
C	Khara Talao.	Balu Street	22,979	...	...	...	...	1	...	...	...	...	..	...	...	...	...	...	1
		Chimna Butcher Street.. ...		...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	4
		Dhabu Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Doctor Street		...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	3
		Duncan Road		...	...	...	...	4	...	1	...	...	...	...	..	...	...	...	5
		2nd Duncan Cross Lane, ...		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Goojar Street		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
		Khara Talao Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Khoja Street		...	...	...	...	10	1	...	...	...	...	...	...	...	...	...	11
		Mutton Street		...	...	...	...	...	...	2	...	...	..	...	...	...	...	...	2
		Pakmodia Street		...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3
		Parel Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kumbharwada.																	
C	Kumbharwada.	Bapty Road	27,730	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Bhandari Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		C. P. Tank Road ...		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		2nd Carpenter Street		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Falkland Road...		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Girgaum Back Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kumbharwada Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Northbrook Street		...	...	...	1	8	...	...	...	...	...	...	...	...	...	...	9
		1st Pathan Street		...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	6
		2nd Do. do.		..	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Sindhi Lane		...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2
		Khetwadi.																	
D	Khetwadi.	Charni Road	31,937	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Falkland Road		...	...	...	2	...	1	1	...	...	...	...	...	...	...	...	4
		1st Falkland Cross Lane ...		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		3rd Do. do. ...		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		6th Do. do. ...		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		9th Do. do. ...		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Girgaum Back Road		...	...	...	...	1	2	1	...	...	2	...	...	...	...	...	6
		Grant Road		...	...	...	...	5	1	1	...	...	...	...	...	...	...	...	7
		Khetwadi Back Road		...	1	...	4	2	1	...	1	...	...	...	...	...	...	...	9
		Khetwadi Main Road		..	1	...	...	1	1	...	...	...	...	...	...	...	...	...	3
		5th Khetwadi Lane		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		8th Do. do.		...	...	...	...	1	...	...	1	...	...	...	...	...	...	..	2
		Lamington Road		...	3	...	...	2	...	1	...	...	...	...	...	...	...	...	6
		Saudhurst Road		...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1917—*continued.*

Ward.	Section.	STREET.	Population by Census of 1911.	RACES.															
				Jains.	Brahmins.	Prabhus.	Bhatias.	Hindus of Other Castes.	Low Hindus, Caste.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Girgaum.																	
D	Girgaum.	Charni Road	80,779	...	1	...	1	1	1	...	...	...	...	...	...	...	...	...	4
		Cow Lane		...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2
		Girgaum Road		1	2	...	...	2	3	...	...	...	...	...	...	...	...	...	8
		Girgaum Back Road		...	2	...	2	2	...	...	...	...	...	...	...	...	...	...	6
		Kandewadi Lane		...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	3
		Khotachiwadi		...	...	...	...	3	1	...	...	...	1	...	...	...	...	...	5
		Mangalwadi		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Mughbat Lane		...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	3
		Mughbat Cross Lane		...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	3
		Sadashiv Street		...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	3
		Thakurdwar Road		...	1	...	3	1	...	...	...	...	...	...	...	...	...	...	5
		Chowpati.																	
D	Chowpati.	Bhatwady	11,397	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Churni Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Chawpati Road...		...	1	...	...	1	1	...	...	...	...	...	...	...	...	...	3
		Damar Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Girgaum Road		...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	3
		Girgaum Back Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Lamington Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sandhurst Road		...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	2
		Walkeshwar.																	
D	Walkeshwar.	Babulnath Road	10,640	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	3
		Banganga Temple Compound.		...	2	...	...	1	2	...	...	...	...	...	...	...	...	...	5
		Dadyshet Road...		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Dongersi Road		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		Gibbs Road		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Gavalia Tank Road		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2
		Harvey Road		...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	1
		Hughes Road		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	5
		Laburnum Road		...	...	...	...	2	3	...	...	...	...	...	...	...	...	...	1
		Mount Pleasant Road		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Narayan Dabholkar Road ...		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Nepean Sea Road		1	...	...	...	2	3	...	...	...	...	...	...	...	...	...	6
		Pawai Road		...	...	...	...	2	1	...	...	...	1	...	...	...	...	...	4
		Ridge Road		...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	3
		Siri Road		...	1	...	...	4	2	...	...	...	...	...	...	...	...	...	7
		Tejpal Road		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Walkeshwar Road		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Wilderness Road		...	...	...	1	2	1	...	...	...	...	...	...	...	...	...	4
				...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mahalakshmi.																	
D	Mahalakshmi.	Arthur Road	26,303	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	11
		Bellasis Road		...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	3
		Chikhalwadi		...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	3
		Clerk Road		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Cumballa Road...		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Forjett Street Cross Lane ...		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		Gowalia Tank Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Peddar Road		...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	7
		Road Side		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Sleater Road		...	...	...	...	2	1	1	...	...	...	...	...	...	...	...	3
		Tardeo Road		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
		Wadia Street		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Warden Road		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1917—*continued.*

Ward.	Section.	STREET.	Population by Census of 1911.	RACES. Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Low Caste Hindus.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Mazagon.																	
E	Mazagon.	Belvedere Road	30,075	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Coppersmith Lane		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		DeLima Street		...	...	...	...	3	...	...	1	...	5	...	...	...	...	...	9
		Dockyard Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Ghorupdeo Road		...	...	...	...	4	...	...	...	...	1	...	...	...	...	...	5
		Gunpowder Road		...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	3
		Magazine Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mahtarpakhady Road		...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	7
		Mazagaon Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mazagaon Road Coliwada		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mount Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Nesbit Tank Road		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Reay Road		...	2	...	...	3	2	...	...	...	...	...	...	...	...	...	7
		Tank Bunder Road		2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	3
		Victoria Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Wari Bunder Road		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Tarwadi.																	
E	Tarwadi.	Connaught Road	28,424	...	...	...	...	15	...	4	...	...	1	...	...	...	...	...	20
		Chinchpokli Road		...	1	...	...	6	...	1	...	...	...	...	...	...	...	...	8
		Love Lane		...	...	...	...	6	...	...	...	1	...	...	...	...	...	...	7
		Mazagon Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Nesbit Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Parel Road		1	...	...	...	7	...	1	...	...	1	...	...	...	...	...	10
		Sussex Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Victoria Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Ghorpdeo Road		...	...	...	...	12	...	1	...	...	1	...	...	...	...	...	14
		2nd Nagpada.																	
E	2nd Nagpada.	Bellasis Road	21,700	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Duncan Road		...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	2
		Duncan Road Cross Lane		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Huzria Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Mastan Tank Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mastan Tank Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Parel Road		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		Shaik Buran Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Tank Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Temkar Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Undria Street		...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	4
		Kamathipura.																	
E	Kamathipura.	Bazar Road	36,751	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	2
		Bapty Road		1	...	...	...	4	...	...	...	...	...	...	...	...	...	...	5
		Duncan Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Stable Street		...	...	...	...	...	5	2	...	...	...	...	...	...	...	...	7
		Suklaji Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Kamathipura, 1st Lane		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		" 2nd "		...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	7
		" 3rd "		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		" 3rd Cross Lane		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		" 4th Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		" 5th "		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		" 6th "		...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	2
		" 8th "		...	...	3	...	4	...	...	...	...	...	...	...	...	...	...	7
		" 9th "		1	...	...	...	3	...	...	...	...	...	...	...	...	...	...	4
		" 10th "		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		" 11th "		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		" 12th "		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		" 13th "		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		" 14th "		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		" 15th "		...	...	...	...	8	...	1	...	...	...	...	...	...	...	...	9

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1917—*continued.*

Locality.			Population by Census of 1911.	Races.															
Ward.	Section.	Street.		Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Tardeo.																	
E	Tardeo.	Arab Lane	27,758	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Bapti Road		...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		Bellasis Road		...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	3
		Falkland Road		1	...	...	...	4	...	...	...	...	...	...	...	...	...	...	5
		Foras Road		...	...	...	...	3	4	1	...	...	...	...	...	...	...	...	8
		Grant Road		...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	2
		Jairajbhai Street		...	...	...	...	2	9	...	...	...	...	...	...	...	...	...	11
		Lamington Road		1	...	...	...	24	2	1	...	...	...	...	...	...	...	...	28
		Suklajee Street		...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	3
		Byculla.																	
E	Byculla.	Agripada	76,348	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	3
		Arthur Road		...	1	...	...	4	...	...	...	...	...	...	...	...	...	...	5
		Bellasis Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Clare Road		...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	2
		Clarke Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		DeLisle Road		1	...	...	...	21	...	2	...	...	...	...	...	...	...	...	24
		Ghelabhai Street		...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	3
		Gujri Bazar Lane		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		Gell Street		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Haines Road		1	...	...	...	13	1	3	...	...	...	...	...	...	...	...	18
		Kalachowki Road		2	...	...	...	8	...	1	...	...	...	...	...	...	...	...	11
		Lamington Road		...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	3
		Moreland Road		...	...	...	...	11	3	1	...	...	1	...	...	...	...	...	16
		Muhamadan Street		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Parel Road		1	...	...	...	10	...	1	...	...	...	...	...	...	...	...	12
		Parel Road Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Ripon Road		...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	4
		Sundar Gali		...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		1st Nagpada.																	
E	1st Nagpada.	Bellasis Road	6,414	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3
		New Nagpada Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Parel Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Parel.																	
F	Parel.	Arthur Road	45,475	1	1	...	...	4	...	2	...	...	...	...	...	...	...	...	8
		Currey Road		...	...	...	...	7	...	2	...	...	...	...	...	...	...	...	9
		Elphinstone Road		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		Government Gate Road		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Kalachowki Road		...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	9
		Lalwady		...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	3
		Parel Back Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Parel Road		1	...	...	...	2	...	1	...	...	...	...	...	...	...	...	4
		Parel Tank Road		...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	4
		Parel Village		...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	7
		Suparibag Road		1	...	...	...	3	2	...	1	...	...	...	...	...	...	...	7
		Tulshirampada		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2

35—*concluded.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1917—*concluded.*

Locality.				Races.															
Ward.	Section.	STREET.	Population by Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Indian Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Sewri.																	
F	Sewri.	Bhoiwady Road	19,067	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	2
		Bhoiwady Village		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sewri Cross Road		1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2
		Sewri Jackeria Bunder ...		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Sewri Koliwada		...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	3
		Sewri New Road		...	...	...	...	12	...	...	...	...	...	...	...	...	...	...	12
		Sewri Road		...	...	...	...	14	...	3	...	...	...	...	...	...	...	...	17
		Sion.																	
F	Sion.	Bhoiwady Road	30,650	1	...	...	...	4	3	...	...	...	2	...	...	...	...	...	10
		Dadar Road		...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	3
		Dhakti Sewri		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Matunga Maharwada... ...		1	1	...	...	3	...	...	...	...	...	...	...	...	...	...	5
		Matunga Station		1	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1
		Naigaon Cross Road		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
		Naigaon Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Sion Agarwada...		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sion Bhandarwada		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sion Koliwada		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Sion Road		...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	3
		Vadala Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Vadala Village		...	...	...	...	6	...	1	...	...	8	...	...	...	...	...	15
		Vincent Road...		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Mahim.																	
G	Mahim.	Bazar Road	30,492	...	1	...	...	5	1	2	...	...	3	...	...	...	...	...	12
		Causeway		...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	3
		Custom Road		...	...	...	...	1	4	1	...	...	1	...	...	...	...	...	7
		Dadar Portuguese Church Rd.		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Dharavi Road		...	...	...	...	5	8	6	...	...	2	...	...	...	...	...	21
		Kapad Bazar		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Lady Hardinge Road		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Lady Jamshedjee Road ...		...	1	...	...	36	...	4	...	...	5	...	...	...	...	...	46
		Mahim Station Camp... ...		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mori Road		...	1	...	...	2	1	...	...	...	...	...	...	...	...	...	4
		Old Parbhadevi Road		...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	3
		Sorab Galli		...	...	...	...	6	...	...	...	...	1	...	...	...	...	...	7
		Wanjewadi		...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	5
		Worli.																	
G	Worli.	Arthur Road	89,611	...	...	...	...	2	1	...	...	...	...	...	1	...	...	...	4
		Chinchpokli Camp		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Clerk Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Curry Road		...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	7
		Dadar Field		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Dadar Gulli		...	...	...	...	6	...	...	...	...	1	...	...	...	...	...	7
		Dadar Kumbharwada... ...		...	1	...	...	4	...	...	...	...	...	...	...	...	...	...	5
		DeLisle Road		...	1	...	...	15	7	1	...	...	...	...	...	...	...	...	24
		Elphinstone Road		...	1	...	...	3	1	...	...	...	...	...	...	...	...	...	5
		Fergusson Road		...	2	...	...	13	...	1	2	...	...	...	...	...	...	...	18
		First Pakady		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		Haines Road		...	...	...	...	1	1	...	...	...	1	...	...	...	...	...	2
		Koliwada		...	...	...	...	6	...	...	...	...	1	...	...	...	...	...	7
		Middle Pakady		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Nawapada		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		New Parbhadevi Road ...		...	1	...	...	12	...	...	...	...	...	...	...	...	...	...	13
		Portuguese Church Road ...		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Worli Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Harbour, Docks, Railways and Homeless.																	
A	Harbour.	Harbour, Docks, Railways, and Homeless.	44,979	...	...	...	...	1	3	18	...	...	1	...	...	...	...	...	23

36

TABLE of Deaths in different Circles from Principal Causes in 1917.

SECTION.	Circle No.	Population by the Census of 1911.	NUMBER OF DEATHS FROM							Rate of Mortality per 1,000 of population.
			Small-pox.	Plague.	Cholera.	Fevers.	Tuberculosis and Phthisis.	Respiratory Diseases.	All Causes.	
Upper Colaba	1	1,557	3	9	3	10	12	30	125	80·28
Middle and Lower Colaba... ...	1	2,524	...	4	...	1	2	5	26	10·30
	2	2,768	3	17	...	3	6	18	81	29·25
	3	3,504	3	56	...	8	10	32	142	40·53
	4	1,607	...	10	1	2	3	20	62	10·32
	5	2,440	3	24	...	5	5	22	85	34·83
	6	2,163	...	11	1	3	3	18	50	23·11
	7	1,165	...	14	...	...	3	10	51	43·77
	8	3,506	...	4	1	3	...	7	31	8·35
	R. S.	.....	...	3	...	1	1	5	14	.....
Total	...	19,679	9	123	3	26	38	132	542	27·54
Fort South	1	526	...	...	...	...	...	1	6	11·40
	2	1,120	1	2	...	23	49	40	193	172·32
	3	526	...	...	...	...	...	2	3	5·17
	4	562	...	2	...	...	1	3	9	16·01
	5	726	...	10	...	1	...	2	20	27·64
	R. S.	.....	...	...	...	1	...	...	3	.....
Total	...	3,462	1	14	...	25	50	48	234	67·59
Fort North	1	2,679	2	3	2	17	13	24	107	39·44
	2	1,787	1	6	1	4	1	11	44	24·62
	3	2,664	1	12	1	5	8	30	115	43·16
	4	3,176	1	5	1	7	10	29	94	24·59
	5	2,266	...	5	1	5	4	13	51	22·50
	6	4,101	...	8	3	10	22	36	130	51·69
	7	4,368	12	12	2	11	21	42	166	38·00
	8	4,354	7	9	8	9	26	71	198	45·47
	R. S.	.....	1	2	...	2	9	3	52	.....
Total	...	25,400	25	62	19	70	114	259	937	26·88
Esplanade	1	2,176	...	3	1	18	27	52	188	86·63
	2	1,093	1	1	...	...	2	2	18	16·46
	3	5,298	3	10	...	23	20	84	236	44·54
	4	8,986	1	2	...	10	11	20	150	16·69
	R. S.	.....	...	3	...	5	9	10	72	.....
Total	...	17,761	5	24	1	56	69	168	664	37·38
Mandvi	1	3,517	1	11	...	10	4	40	130	36·96
	2	Demolished....		4	...	5	4	12	40	.....
	3	1,268	...	2	...	...	4	18	42	33·12
	4	2,845	2	14	...	18	13	53	133	46·74
	5	1,154	...	7	...	3	2	16	54	46·79
	6	5,290	...	7	...	2	6	25	61	11·53
	7	1,694	2	4	...	4	3	17	49	28·92
	8	1,155	...	2	...	2	1	13	36	31·17
	9	3,365	...	3	1	3	10	31	81	24·07
	10	3,498	1	15	...	6	9	47	121	34·59
	11	5,197	1	17	...	13	6	97	200	38·48
	12	1,485	...	6	...	2	4	28	49	32·99
	R. S.	.....	1	3	...	3	14	11	47	.....
Total	...	33,202	8	95	1	71	80	407	1,043	31·41
Chukla	1	2,688	...	7	...	1	12	35	93	34·60
	2	2,848	...	5	...	5	7	27	79	27·73
	3	2,569	1	7	...	3	...	29	71	27·63
	4	4,894	...	4	...	9	12	62	155	31·67
	5	2,619	...	3	...	2	2	32	80	30·54
	6	1,258	...	5	...	4	6	32	80	63·09
	7	2,393	...	1	...	1	2	16	43	17·96
	8	3,312	1	3	..	2	5	26	63	28·48
	9	2,740	...	8	...	1	6	41	95	34·67
	R. S.	.....	...	...	...	...	8	10	39	.....
Total	...	24,231	2	43	...	28	60	310	798	32·93

R. S.=Road-side.

36—*continued.*

TABLE of Deaths in different Circles from Principal Causes in 1917—*continued.*

SECTION.	Circle No.	Population by the Census of 1911.	Number of Deaths from							Rate of Mortality per 1,000 of population.
			Small-pox.	Plague.	Cholera.	Fevers.	Tuberculosis and Phthisis.	Respiratory Diseases.	All Causes.	
Umerkhadi	1	5,654	...	19	...	11	9	53	176	31·12
	2	2,215	...	8	...	6	6	22	68	30·69
	3	4,358	...	1	...	9	9	53	167	38·32
	4	4,319	1	3	...	12	4	43	128	29·63
	5	2,701	...	3	...	12	6	40	130	48·12
	6	2,107	...	4	...	10	8	35	94	44·61
	7	4,621	1	13	...	19	11	96	280	62·75
	8	6,517	...	13	...	13	7	87	243	37·28
	9	5,144	...	6	...	18	4	82	221	42·96
	10	8,043	4	12	...	28	7	150	352	41·27
	R. S.	.....	1	5	...	4	21	24	82	.....
	Total ...	45,679	7	87	...	142	92	688	1,921	42·05
Dongri	1	6,243	...	6	...	4	...	26	60	9·51
	2	12,131	1	13	...	28	3	118	279	22·99
	3	5,539	1	6	...	28	2	82	196	35·38
	4	2,375	...	13	2	10	...	55	107	45·05
	R. S.	.....	...	1	...	1	7	8	27	.....
	Total ...	27,246	2	39	2	71	12	289	669	24·55
Market	1	3,967	3	8	...	12	11	34	110	27·72
	2	1,808	...	2	...	3	4	26	61	33·73
	3	1,597	2	1	...	4	1	25	54	33·81
	4	2,395	2	3	...	6	3	43	91	37·99
	5	6,633	...	9	...	16	6	60	151	22·76
	6	4,589	3	14	1	9	6	39	113	24·62
	7	3,611	...	6	...	2	...	11	44	12·18
	8	5,349	2	12	...	6	6	48	120	22·43
	R. S.	...	...	...	...	2	8	9	39	.....
	Total ...	30,172	12	55	1	60	45	295	783	25·95
Dhobi Talao	1	6,939	4	5	1	9	10	56	175	25·21
	2	4,499	1	2	1	8	7	47	141	31·34
	3	4,932	5	5	...	13	5	75	185	37·51
	4	6,141	...	9	...	10	5	59	162	26·38
	5	3,705	1	2	...	12	6	32	94	25·37
	6	5,733	3	8	2	8	4	58	148	25·81
	7	6,735	5	10	...	13	10	63	200	29·69
	R. S.	...	...	2	...	3	12	9	67	.....
	Total ...	8,684	19	43	4	76	59	399	1,172	30·29
Fanaswadi	1	9,324	8	12	1	16	10	73	257	27·56
	2	10,334	10	12	1	17	26	123	361	34·93
	3	7,745	5	8	...	20	12	74	216	27·88
	R. S.	...	1	...	...	1	3	2	15	.....
	Total ...	27,403	22	32	2	54	51	275	849	30·98
Bhuleshwar	1	5,549	...	9	...	10	3	53	148	26·67
	2	5,466	1	17	...	8	6	59	147	26·89
	3	3,171	...	7	...	8	2	29	83	26·70
	4	10,422	1	11	...	21	4	132	354	33·96
	5	7,324	...	5	...	11	9	97	256	35·43
	6	4,625	1	2	...	4	8	46	112	24·21
	R. S.	...	...	5	...	2	6	18	57	.....
	Total ...	36,459	3	56	...	64	38	434	1,157	31·73
Khara Talao	1	3,958	2	8	...	7	9	37	125	31·58
	2	2,388	...	2	...	4	1	43	119	49·83
	3	6,297	...	14	...	4	16	98	273	43·45
	4	4,548	...	3	1	7	16	48	180	39·57
	5	5,745	1	4	...	7	11	52	169	29·41
	R. S.	...	...	4	...	4	8	11	53	.....
	Total ...	22,979	3	35	1	33	61	289	919	39·99

R. S.=Road-side.

36—*continued.*

TABLE of Deaths in different Circles from Principal Causes in 1917—*continued.*

SECTION.	Circle No.	Population by the Census of 1911.	Number of Deaths from							Rate of Mortality per 1,000 of Population.
			Small-pox.	Plague.	Cholera.	Fevers.	Tuberculosis and Phthisis.	Respiratory Diseases.	All Causes.	
Kumbharwada	1	7,264	3	10	2	12	13	89	238	32·76
	2	10,274	1	4	1	30	15	147	351	34·16
	3	4,914	1	10	...	11	11	95	213	43·34
	4	5,163	...	2	...	10	13	74	166	32·15
	R. S.	...	...	2	...	1	9	6	33	.....
Total ...	...	27,705	5	28	3	64	61	411	1,001	36·13
Khetwadi	1	2,737	2	7	...	12	7	19	85	31·05
	2	5,468	...	10	...	17	6	34	124	23·59
	3	4,318	3	1	...	11	6	26	108	25·01
	4	2,634	...	3	...	9	7	23	102	39·48
	5	3,574	...	4	...	16	13	33	131	36·65
	6	2,367	2	2	...	4	2	17	66	27·88
	7	4,567	...	11	...	7	13	45	122	26·71
	8	6,269	4	8	...	11	12	65	175	27·91
	R.S.	...	...	1	...	2	6	3	26	.....
Total ...	...	31,937	11	47	...	89	72	265	946	29·62
Girgaum	1	6,126	4	9	...	18	19	66	196	31·99
	2	3,769	5	5	2	15	10	42	144	38·20
	3	5,929	4	7	...	20	13	47	166	27·99
	4	1,123	3	4	...	6	5	13	55	48·97
	5	4,822	3	6	1	20	10	44	150	31·10
	6	6,080	4	9	...	32	13	66	193	31·74
	7	2,862	3	4	...	9	8	12	67	23·41
	R. S.	...	...	1	1	1	5	5	26	.....
Total ...	...	30,779	26	45	4	121	83	300	997	32·39
Chowpati	1	1,272	...	5	...	3	4	7	40	31·44
	2	1,758	...	...	...	1	4	8	26	14·78
	3	1,847	...	3	...	4	8	25	72	38·98
	4	1,618	1	1	...	10	11	21	81	50·06
	5	3,930	...	2	...	7	2	13	59	15·01
	6	944	...	2	...	7	2	8	37	39·19
	R. S.	...	...	1	...	1	...	2	14	.....
Total ...	...	11,397	1	14	...	33	31	84	329	28·86
Walkeshwar	1	1,591	...	7	...	12	10	13	104	65·36
	2	2,132	1	5	...	7	4	23	58	27·20
	3	1,873	...	3	...	...	...	6	24	12·81
	4	272	...	1	...	...	1	...	6	22·05
	5	835	..	5	...	...	...	5	13	15·56
	6	2,694	1	14	...	6	5	21	78	28·95
	7	1,234	...	10	...	1	1	8	29	23·50
	R. S.	.....	1	1	...	...	2	2	11	.....
Total ...	...	10,640	3	46	...	26	23	78	323	30·35
Mahalakshmi...	1	2,595	...	8	...	1	3	9	50	19·26
	2	744	...	1	...	2	3	5	20	26·88
	3	1,056	...	1	...	1	1	4	26	24·62
	4	2,817	...	8	...	3	6	38	94	33·36
	5	2,365	...	1	...	5	5	10	62	26·21
	6	3,856	1	1	...	6	7	22	85	22·27
	7	5,240	...	5	...	6	9	52	112	21·37
	8	3,228	...	15	...	2	12	41	126	39·03
	9	4,401	2	4	3	4	10	56	164	37·26
	R. S.	.....	...	1	...	...	4	1	7	.....
Total ...	...	26,302	3	45	3	30	60	238	756	28·74

R. S.=Road-side.

36—*continued.*

TABLE of Deaths in different Circles from Principal Causes in 1917—*continued.*

SECTION.	Circle No.	Population by the Census of 1911.	NUMBER OF DEATHS FROM							Rate of Mortality per 1,000 of Population
			Small-pox.	Plague.	Cholera.	Fevers.	Tuberculosis and Phthisis.	Respiratory Diseases.	All Causes.	
Mazagon	1	4,780	1	7	...	19	3	83	227	47·48
	2	4,057	2	6	...	8	3	39	108	26·62
	3	4,196	...	5	...	8	...	44	107	25·50
	4	4,543	1	8	...	10	1	52	153	33·67
	5	12,488	...	20	...	47	3	220	518	41·47
	R. S.	.....	...	...	1	1	...	...	1	.....
	Total ...	...	30,075	4	46	1	93	10	438	1,114	37·04
Tarwadi	1	2,413	5	10	...	38	90	167	657	67·67
	2	3,476	1	12	...	13	2	32	124	35·67
	3	15,524	1	40	...	43	7	289	654	42·12
	R. S.	.....	...	1	...	1	2	...	8	.....
	Total ...	...	28,424	7	63	...	95	101	438	1,423	50·06
2nd Nagpada	1	6,167	3	3	...	11	38	107	271	43·94
	2	5,788	2	4	...	11	22	66	203	35·07
	3	5,795	...	6	...	9	36	61	247	42·62
	4	3,950	4	2	...	6	23	73	185	46·83
	R. S.	.....	...	1	...	1	8	4	23	.....
	Total ...	...	21,700	9	16	...	88	116	311	929	42·81
Kamathipura	1	7,359	3	16	...	25	47	92	293	37·28
	2	15,742	16	35	...	57	91	223	722	45·86
	3	13,010	7	14	...	34	66	179	492	37·81
	R. S.	.....	...	...	...	4	12	8	52	.....
	Total ...	...	36,751	26	65	...	120	216	502	1,559	42·41
Tardeo	1	4,306	...	10	...	6	13	32	128	29·72
	2	7,031	1	9	...	8	15	51	176	25·03
	3	10,386	3	20	...	6	52	127	354	34·08
	4	6,000	...	23	...	4	30	107	256	42·66
	R. S.	.....	...	1	...	1	7	2	222	.....
	Total ...	...	27,758	4	63	...	25	117	329	936	33·72
Byculla	1	10,722	4	25	1	37	41	346	1,138	105·67
	2	4,847	...	4	...	7	5	58	173	35·69
	3	15,281	1	18	...	10	11	151	464	30·49
	4	23,104	2	18	...	16	8	133	440	19·87
	5	4,146	...	8	...	4	6	45	159	38·35
	6	5,835	7	8	...	6	1	118	273	46·78
	7	6,280	1	17	...	7	4	99	215	34·23
	8	6,092	...	15	...	13	5	109	238	37·89
	R. S.	.....	...	...	...	3	...	4	10	.....
	Total ...	...	75,348	15	113	1	103	81	1,113	3,105	41·20
1st Nagpada	1	3,632	...	1	...	6	4	24	93	25·60
	2	2,782	1	4	...	...	9	23	78	28·03
	R. S.	.....	...	...	...	...	3	1	8	.....
	Total ...	...	6,414	1	5	...	6	16	53	179	27·90
Parel	1	4,010	...	9	...	15	6	55	156	38·90
	2	5,780	...	5	...	24	5	72	163	28·20
	3	6,916	2	14	...	23	8	88	253	36·58
	4	6,538	1	9	...	36	7	95	223	34·13
	5	830	...	...	...	1	...	2	8	9·63
	6	6,807	..	...	...	18	1	48	142	20 86
	7	4,299	1	4	...	28	3	68	177	41 17
	8	7,323	...	13	1	44	8	115	285	38·92
	9	2,719	3	10	...	13	3	53	155	57·00
	R. S.	.....	...	...	...	...	6	4	14	.....
	Total ...	...	45,474	7	64	1	202	39	599	1,576	34·65

R. S.=Road-side.

36—*concluded.*

TABLE of Deaths in different Circles from Principal Causes in 1917—*concluded.*

SECTION.	Circle No.	Population by the Census of 1911.	Number of Deaths from							Rate of Mortality per 1,000 of Population.
			Small-pox.	Plague.	Cholera.	Fevers.	Tuberculosis and Phthisis.	Respiratory Diseases.	All Causes.	
Sewri	1	6,453	...	4	...	36	...	87	223	34·55
	2	3,872	...	24	...	28	1	72	195	50·36
	3	1,869	...	3	...	5	1	22	61	32·63
	4	5,675	...	3	...	17	5	64	189	33·30
	5	1,163	...	1	...	2	...	9	23	19·77
	R. S.	.....	...	2	...	...	5	3	12	.....
Total ...	...	19,067	...	37	...	88	12	257	703	36·86
Sion	1	1,140	...	2	1	8	2	49	119	104·38
	2	1,290	...	2	...	6	2	10	43	33·33
	3	5,124	1	5	...	20	11	60	179	34·93
	4	4,426	...	13	...	18	5	53	159	35·93
	5	2,420	2	16	...	17	7	26	123	50·82
	6	2,992	...	5	...	17	46	41	192	64·17
	7	2,631	...	...	...	3	2	18	160	60·81
	8	3,315	...	6	...	8	3	40	96	29·86
	9	1,148	...	1	...	8	1	7	45	39·19
	10	1,312	...	1	...	1	...	3	24	18·29
	11	1,952	2	9	...	8	4	17	91	46·61
	R. S.	...	...	...	...	...	3	...	7	.....
Total ...	...	30,680	5	60	1	113	86	324	1,238	40·36
Mahim	1	2,626	...	3	...	8	4	28	82	31·22
	2	3,715	1	18	1	19	5	44	173	46·56
	3	3,440	2	24	...	11	4	51	160	46·51
	4	2,313	...	10	...	5	6	30	96	41·50
	5	5,068	...	26	...	15	11	76	217	42·81
	6	5,825	...	18	...	18	8	57	191	32·78
	7	1,886	1	6	...	8	2	20	71	37·64
	8	5,381	1	15	...	14	5	105	266	40·43
	R. S.	.....	...	...	...	...	...	2	13	.....
Total ...	...	30,492	5	120	1	98	45	413	1,269	41·61
Worl	1	2,685	...	...	...	7	6	27	92	44·26
	2	10,764	...	9	2	43	38	116	392	36·41
	3	9,190	1	15	...	34	26	125	342	37·21
	4	4,612	1	3	...	14	7	48	150	32·17
	5	13,324	...	15	...	35	15	180	447	33·54
	6	5,866	2	13	...	15	5	41	160	27·27
	7	17,412	1	19	...	58	20	169	527	30·26
	8	25,400	9	34	...	91	41	319	929	36·57
	R. S.	.....	...	1	...	1	3	6	24	.....
Total ...	...	89,611	14	109	2	298	160	1,031	3,063	34·18
Harbour, Docks, Railways & Homeless.	...	44,979	2	3	7	21	8	24	131	2·91
Grand Total ...	...	9,79,445	269	1,706	61	2,459	2,118	11,291	33,390	34·09

R. S.=Road-side.

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